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MARCH 20, 1920.

VOL. XCII.

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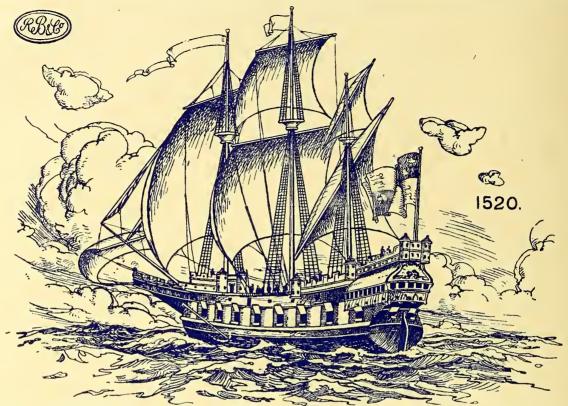
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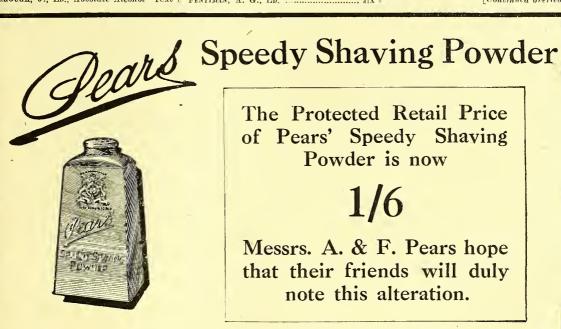
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INDEX TO ADVERTISERS

ALLEN, STAFFORD, & SONS, LD., Pure
Poinders 30 (
ATTIANCE DRUG & CHEM CO., Chemicals X
AMSTEEDAM QUINTINE WORKS XVI ANGLODOL, LD., Dental Paste 24 ANGLO-ARGENTINE EXPORT & IMPORT
ANGLODOL, LD., Dental Paste 24
ANGLO-ARGENTINE EXPORT & IMPORT
Co., LD. liii
ANGLO-FRENCH DEUG CO., LD
ANGLO-FRENCH DRUG CO., LD. XXVI ANZORA PERFUMERY CO., Hair Cream 28 APOLLINARIS CO., LD., Aperient Water 4 ARION CHEMICALS CO., Saccharin Xiv ARMOUR & CO., LD
APION CHEMICALS CO. Succharin Niv
APMOUR & CO I.D. Text xxvii
ARRIGHI, E. S., Clinical Thermometers
ATRION, SAUNDERS & Co., LD., Whole-
sale Druggists
Sale Druggists
Dressings xlv
BAKER, PARSON C., Chemists' Valuer
Col. Supp. I
BALDWIN MANEG. Co., LD
BANDOENG QUININE FACTORIES xviii
BANISTER STREET WORKS, LD., Machinery
BATTLE, MALTEY & BOWER, Sheep Dips IVI
BELL, J., & UROYDEN, LD 1ext
BEDDOE & FISH Col Sunn
BANDOENG QUININE FACTORIES XVIII BANISTER STREET WORKS, LD., Machinery 1 BATTLE, MALTEY & BOWER, Sheep Dips 1vi BELL, J., & CROYDEN, LD. Text BENZOATES, LD., Drags
BERRY'S. J. B., SONS Co. INC., Pct.
Prods
BERTON, ARTHUR, LD., Cotton Wool 3
BISHOP, ALFRED, LD., Fruit Saline XXX
BLACKWELL, HAYES & CO., LD. xii BLAGDEN, VICTOR, & CO., Chemicals iii BLITHE, W., & CO., LD., Essom Salts ii BOAKE, ROBERTS, A., & CO., LD., Es-
BLAGDEN, VICTOR, & Co., Chemicals 111
BLYTHE, W., & Co., LD., Epsom Salts 11
BOAKE, ROBERTS, A., & CO., LD., ES-
BOURIOUS A & CUR I.D. Face Powder 20
BOURJOIS, A., & CIE, LD., Face Powder 20 BRITISH CELLULOSE & CHEMICAL MNFG.
Co., Lp., Calcium Carbide xi
BRITISH DIAMALT CO. LD. XXVIII
BRITISH DIAMALT CO., LD xxviii BRITISH DYESTUFFS CORPORATION, LD iii
BRITISH GLASS BLOWERS LD
BROMAGE, G., & Co., Ess. Oils, &c 6
BROOK, PARKER & Co., LD xii
BROMAGE, G., & Co., Ess. Oils, &c. 6 BROOK, PARKER & Co., LD. xii BROOKS, PEL & Co., LD, Tubes lii BROWNING, THE WM., Co., LD xli
BROWNING, THE WM., CO., LD., XII
Bull, D. W
BURGOYNE, BURBIDGES & Co., Fruit
Saline XXXI
Saline xxxi BURROUGH, J., LD., Absolute Alcohol Text

BURROUGHS WELLCOME & CO., "Kepler" Cod Liver Oil, &c	
"Kenler" Cod Liner Oil &c	43
Dupperson Malanam Waters	. 40
Burrows, Maivern Waters	XXXII
BUSH, W. J., & Co., LD., Perjumery	15
BUTLER, E. H., & SON, LD., Tablets	XV
CADRURY BROS. Cocoa	Cover
CALLARD & Co Vitmar	vvvvi
CARLES W II & Co. Denterman	10
CALNAN, W. H., & Co., Perjumery	12
CAMOMILE TONIC CO., Shampoo	28
CARMICHAEL, F. J., & Co., Camomiles	xii
CARR G. & Co. I.D. Tablets	x v
CIPPERAS A & F Toilet	25
Common D D To Tr Diet Album	1:-
CARTER, R. E., LD., Photo Atoums	11X
Cellophane Co., Wrapping Material	111
Cephos, Ld., Proprietary	. xxii
CHATELAIN J. L. French Proprietarie	e vvv
CHEMICAL WORKS BRIGG LD	viv
Compared Works, Dr. Compared To M	7.
CHEMICAL WORKS MADOERY, LD., Mai	ie .
Fern Extract	XX1
-CHIESMAN, F., & Co., Olive Oil, &c.	xxxix
CHRISTY, T., & Co., Shampoo 26.	lviii
CINEMA SOAR CO. Soam	20
Cine Driver Driver	1
CITY DENTAL DEPOT	nx
CLAYTON ANILINE CO., LD.	1 v
COLEMAN & Co., Wincornis	. XXX
College of Preceptors	lix
COLLER H. E. & J. Hessian Bags	ylvi
CONDUM FRANK A Fan de Cologn	0
Contraction A., Edu de Cologn	7.1:
Corkscrews Cook, E., & Co., I.D., Disinfectant Lin Cooper Laboratory, Aspirin Tablets Cooper, Son & Co., LD., Cachets	1111
COOK, E., & Co., LD., Disinfectant Lin	<i>ies</i> 35
COOPER LABORATORY, Aspirin Tablets	x v
COOPER. SON & Co. LD. Cachets	lviii
CRAMPTON I & CO. I.D.	V
CRAMPTON, J., & Co., LD. CROOKES' LABORATORIES	
CROOKES LABORATORIES	XXIII
CROSFIELD, JOSEPH. & SONS, LD., Gly-	
cerine x	xxviii
Cuxson, Gerrard & Co., Ld.	19
C.V.O. CHEMICAL WORKS, LD. X. DAVIS, W., Shopfitting	vvviii
DAVIS W Shonfitting	lvii
Davis, W., Shopfitting De Vilbiss Co., Ld., Atomisers, &c Dearborn, Ld., Toilet Specialities Dee Oil Co., Ld., Petroleum Jelly Deephinus Manfe, Co., Nail Polish, & Deppeter, A. E., Brushes Dickeson, R., & Co., Medicinal Snuf, Dun, R. T., Capsules Elliott Offical Co., Optical Goods Erasmic Co., Ld., Shaving Sticks Evans Sons Lescher & Webb, Ld., Dings and Chemicals Evans Williams Co., Ld., Shamnon	-1.011
DE VILBISS CO., LD., Acomisers, &c	. XIVI
DEARBORN, LD., Toilet Specialities	51
DEE OIL Co., LD., Petroleum Jelly	xli
DELPHINUS MANEG. Co., Nail Polish &	0. 32
DEPRETER A E Bruchee	3/1
Digregov D & Co Madiainal Cont	1 - 1
Deckeson, R., & Co., Medicinal Snull	17111
DUN, R. T., Capsutes	. XVII
ELLIOTT OPTICAL Co., Optical Goods	42
Erasmic Co., Ld., Shaving Sticks	27
EVANS SONS LESCHER & WERR I.D.	
Drugs and Chemicals	Corre
Error Werrange Co. To Ch	COVEL
EVENS, Betterway Assistant	26
EVENS, Betterway Assistant FENTIMAN, A. G., LD.	lix
, , ,	

	-
()	FERBER, R., Ld., Ess. Oils
	GOODALL, BACKHOUSE & CO., Water
	GOUGH, KIDSTON & Co., Chemicals vii
	GREEFF, R. W., & Co., Chemicals 40, 41 GREENWICH LEMONADE CO., Sucron, 36
	HAMMOND, JEFFERY & CO V11
l	HAMPSHIRE, F. W., & Co
	HARWOOD BROS., Pipes XIVII HARLEY, T., Rat Poison , 1vii
	HERTZ & CO., Cod Liver Oil, &c xxix HIGGR ADAM LD. Retractometers 42
	LD Alkaloids &c
l	HOLLAND'S DISTILLERY (ESS. OILS), LD. 8, 9 HOLLIDAY, L. B., & Co., LD., Chemicals viii HOLT, THOMPSON & Co., Salicylic Acid viii
	HUBBUCK, T., & SON, LD., Oxide of
	Zine il Hulsen Julys & Co Rarium Salts vii
	HUISKING, C. L., INC., American Drugs XX HUISEN, JULIUS, & CO., Barium Salts vii JACKEL ET CIE (of Paris), LD., Hair Cream 25 JACKSON CO., Toilet Preps. 23 JEWSBURY & BROWN Text
	Jewsbury & Brown Text Job Bros., Cod Liver Oil (Newfoundland) 37
	JOB BROS., Cod Liver Oil (Newfoundland) 57 JOHNSON, A. & CO., (LONDON), LD., Drugs v JOHNSTON & ADAMS, Slipperine Lisi JOSEPHS, PHILIP, & SONS, LD Col. Supp. KAYE, G. E., LD., Ess, Oils 7 KENT G. R. & SONS, LD. Rrushes
-	KAYE, G. E., LD., Ess. Oils
	Kent, G. B., & Sons. Ld., Brushes
	Kraska Co., Ld., Liquid Nail Polish 32 [Continued overleaf.
*	Loswonaca Overreal.



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INDEX-cont. KUTSEAL Co., Liquid Court Plaster ... xlvi LANE, C., & SONS, Chemicals ... viii LANE HALL, R., & Co., LD. ... ix LANG, JULES, & SON, Glassware ... 39 LATIROP, H. R., & Co. INC., Cascara Bark ... xvi MILNER'S CHEMICAL CO., Straw Hat Cleaner Ivi MOND NICKEL CO., Blighty Mixture MORRIS, LUTTLE & SON, LD., Sheep Dips, &c. Ivi MOUSLEY, F. A., Beaverpuf 25 MUEPHY, J. F., Antiphlogistine xxv MYERS, LUMOS & CO., Combs, &c. 34 NASH, KENYON & CO., LD., Photography lix NEAVE, J. R., & Co., Foods xxxvii NESTLES, Feeding Bottle 3

NDEX—cont.	NEWBALL & MASON, Herb Extract XXXII	SOCIETEIT VOOR CHEMISCHE INDUSTRIE
Expense Co Liquid Count Director plani	NILDE, Face Powder 21	KATWIJK, Caffeine, &c
KUTSEAL Co., Liquid Court Plaster xlvi	NORTH, V. C., & Co., Fine Chemicals ix	SORBO RUBBER SPONGE PRODUCTS, LD.
LANE, C., & SONS, Chemicals viii	NORTHCROFT, H zlvi	SOUTHALL BROS. & BARCLAY, LD. Col. S.
LANE HALL, R., & Co., LD ix	NORTHERN TIN CANISTER WORKS lvi	SPATULA PUBLISHING Co., Books
LANG, JULES, & SON, Glassware	OAKEY, JOHN, & SONS, Knife Polish xl	SPARKE, G. W., Essential Oils, &c
LATHROP, H. R., & Co. Inc., Cascara	ODDS ON SPECIFICS Co., LD., Liniment,	STARUP, G. C., CHEMICAL WORKS
Bark xxi	&c xxiv	STEARNS, F., & Co., Pepsins
LAWRENCE, E., & Co., Gets-it xxii	ORMSIDE CHEMICAL Co., LD	STEPHENS BROS. & Co., Ess. Oils
LECONTE, R., & Co., Capping Skins liii	P.A.T.A. xvii	STEPHENSON, R. A., LD., Gummed Tupe
LEICESTER RUBBER Co., "Mend-a-Tear" xliv	PAGE, CHAS., & Co., LD., Chemicals X1	STEVENS & Co., Prices Current
LEIGHTON LABORATORIES, LD., Shampoos lviii	Paindessous, R., Perfumery 12	SUTCLIFFE VENTILATING & DRYING CO
LEVERMORE, A., & Co., LD., Precip.	PAINE & Co., LD., Malt Extract 37	SUTER, W., & Co., Saccharin
Chalklviii	PARKE, DAVIS & Co., Tooth Paste 22	THERAPEUTIC FOODS CO
LICHTENSTEIN & Co., LD., Caramel Text	Pears, A. & F., Ld., Soaps 5	THORNELY, S., LD., Methyl, Spirit
LINTON, HUBBARD & ANDREW, Liquorice XV	PERMOL PRODUCTS Co., LD., Dental Cream 31	TIMPSON, JOHN, & Co., LD.
LOCKWOOD, J. R., & Co., Stationery lx	PERRY & HOPE, LD., Malt Extract xxviii	TITTERTON & HOWARD, Brushware
LOFTHOUSE & SALTMER, LD	PHARMACEUTICAL LANGLINE Co., Langline	TOMODA & Co., Japanese Chemicals,
LONABARC TRADING Co., Essential Oils 7	xlii	
LONDON RAZOR Co., Safety Razors 24	PICERNO, V. A., Chemicals and Drugs ix	Toombs, A., & Co., Capping Skins
LONDON RUBBER CO. Xlvi	POTTER & CLARKE, LD XXXIII	
LUSTY, W., & Sons, Packing Cases liv	POWELL'S THERMOMETER CO	TURNER BROS. ASBESTOS Co., LD
MACAJONE, G., Ess. Oils	PRESTON'S LIVERPOOL DIST. Co., LD. XXX	UCAL TO THE THE TO PASSE AS
MacBean, E., & Co., LD. xlvi	PRICE, A. S., & Co., LD. xiii	VAN DER HEYDEN, T., Puffs, &c
M'GLASHAN, D., Abdinelviii		Venesta, Ld., Collapsible Tubes
MAO SWEENY, E., Corn Curc	PRODUCE BROKERS Co., LD	VENO DRUG CO., LD., Germolene, &c
MACANDREWS & FORBES, LD., Liquorice xiii	RAOUL FRERES, Ess. Oils, &c	VINOLIA Co., LD., Solidified Glycerine
MACFARLAN, J. F. & C., Alkaloids ix	RAPHAELS, LD., Spectacles, &c lxiii	VISCOSE Co., LD., Bottle Cappings
MACHON'S COMFORTINE CO XXII	RAWORTH, J. E., & Moss, Pat. Agents lix	WAIDE, THOS., & SONS, Chemists' Print
MAGNUS, MABEE & REYNARD INC 10	RED BAND CHEMICAL CO xxii	WALDEN, WALDEN & Co., Perfumes
MASON BROS. & CHAPMAN	REDDGRAVE, BUTLER & Co, Paraffin Cover	
MAW, S., SON & SONS, LD	REYNOLDS & BRANSON Text	WALKER, G., & SON, Eusalax XX WALLACE HEATON, LD.
MAY & BAKER, LD., Chemicals Cover	ROBARTES, LD., Toilet Preps	WALTON, T. H., & Co., LD., Saccharin
MEADE-KING, ROBINSON & Co., LD xl	ROBERTS' PATENT FILLING MACHINE CO. 1	WARRICK BROS., LD., Cachets, Capsule
Meggeson & Co., Ld. 38	ROBINSON & SONS, LD., Boxes	
MENDINE CO Coment	ROCKILL & VIETOR, Chemicals, &c xxi	Wells, A. C., & Co., Bung Pour West-End Pharmacy Supply, Capsules 1
MENDINE Co., Cement	Roques, Ferdinand, Alkaloids, Caco-	
MILLBAY SOAP & NEW PATENT CANDLE		WESTERN TABLET CO., LD
CO LD	Rose, J. L., Pyrogallic Acid	
Co., LD. Text		WHIFFEN & SONS, LD., Emetine Salt
MILNER, J., & Co., Surgical Scissors, &c. xliv	ROSENBLATT, SAMSON, Chemicals xxi Ross Manfg. Co., Health Salt. &c xiii	WHITE, J. & J., LD., Bichromates
MILNER'S CHEMICAL CO., Straw Hat	Rozen, L., & Co., Chemicals xii	WHITAKER & Co., Hat Dyes, Household.
	SACCHARIN CORPORATION LD., Novocain vi	Dyes Wigglesworth, Ld., Sulphur Tablets Co
	SALTRATES, LD., Price Changes	WILKINSON CUTLERY CO., LD., Razors
MOND NICKEL Co., Blighty Mixture Ivii MORRIS, LITTLE & SON, LD., Sheep	Sanagen Co., Ld., Nerve Food xxxv	
Dips, &c. lvi	SANITAS Co., LD., Disinfectants Text	WILLIAMS BROS. & Co., Colours WILLIAMSON BROS., Sundriesmen
MOUSLEY, F. A., Beaverpuf 25	SCHOLL Mrg. Co., LD., Foot Appliances xliv	WILLIS, LOW & DRUIFF, LD., Perfume
MURPHY, J. F., Antiphlogistine XXV	Scurr, H. W., Manieure Requisites xlvii	Brick
Myers, Lumos & Co., Combs, &c 34	SHADEINE Co., Hair Dues	WILSON, TALBOT, Corn Pencils xl
NASH, KENYON & Co., LD., Photography	SILVERTOWN LUBRICANTS, LD Ixiv	WINTER, E., & Co., LD., Silver Leaf, &c.
lix	SIMONDS, S. D., & Co., LD xlvii	WRIGGLES WORTH, E. H., LD 1,
NEAVE, J. R., & Co., Foods xxxvii	SMITH, MAURICE, & Co., LD XXIV	
NESTLES, Feeding Bottle	SMITH, T. & H., LD., Drugs vii	WYLEYS, LD., Pharmaceuticals Co
Treated, I county Doute	Darin, 1. Will, 110., Drays VII	Zeal, G. H., Clinical Thermometers

SOCIETEIT VOOR CHEMISCHE INDUSTRIE
KATWIJK, Caffeine, &c. ... xvi
SORBO RUBBER SPONGE PRODUCTS, LD. xlix
SOUTHAL BROS. & BARCLAY, LD. Col. Supp.
SPATULA PUBLISHING CO., Books ... iv
SPARKE, G. W., Essential Oils, &c. ... 10
STARUF, G. C., CHEMICAL WORKS ... xviii
STEARNS, F., & CO., Pepisins ... xx
STEPHENS BROS. & CO., Ess. Oils ... 40
STEPHENSON, R. A., LD., Gummed Tape xlii
STEVENS & CO., Prices Gurrent ... xiv
STUCLIFFE VENTILATING & DRYING CO. ... Ii
SUTCHE, W., & CO., Saccharin ... xiv
THERPEUTIC FOODS CO. ... xxviii
THORNELY, S., LD., Methyl. Spirit ... xl
TIMPSON, JOHN, & CO., LD. ... xlvii
TITTERFON & HOWARD, Brushware ... 1x
TOMODA & CO., Japanese Chemicals, TOMODA & Co., Japanese Chemicals, Drugs
TOOMBS, A., & Co., Capping Skins...
TURNER BROS. ASBESTOS CO., LD. Dyes lxi
Wigglesworth, Ld., Salphur Tablets Cover
Wilkinson Cutlery Co., Ld., Razors 18
Williams Bros. & Co., Colours xliii
Williamson Bros., Sundriesmen 10

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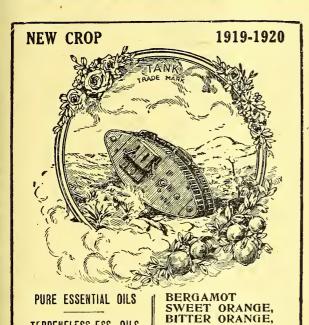
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Lavender

Lemon

Limes

EUCALYPTOL

Mandarin

Nutmeg

Orange

Peppermint

Rosemary



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CITRAL



CINNAMIC

ALDEHYDE

GERANIOL



HOLLANDS DISTILLERY, Ltd.

Lavington Street, Southwark, London,

ABC Code (5th Edition). Western Union:

Telegrams: "LANDSLOH: LONDON." Telephone: HOP 898.

AMERICAN AGENTS—O. A. BROWN CO. INC., 99-101 Beekman St., New York CANADIAN AGENTS-F. S. JARVIS & CO., 18 Toronto Street, Toronto.

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G. W. SPARKE.

Milan

Rome Turin

77 Chancery Lane

LONDON, W.C. 2

Telephone: Holborn 4845.

CREAM OF TARTAR 99½ per cent.

TALCUM POWDER FLORENTINE ORRIS ROOT ITALIAN OLIVE OIL ESSENTIAL OILS

Write for Quotations.

AMERICAN

MOHAWK" BRAND

OIL PEPPERMINT

OIL CEDARWOOD OIL CEDARLEAF

OIL HEMLOCK OIL BIRCH

Heliotropine Crystals C.P. Vanillin C.P. Coumarin C.P. Oil Wormseed, American, Oil Wintergreen Leaf, U.S.P.

MAGNUS, MABEE & REYNARD, Inc.

Essential Oils, Chemicals and Drugs, NEW YORK - -U.S.A. Cables-" MAGLAUR,"

Cresp-Martine

Manufacturers of

ESSENCES &

MATERIALS for MANUFACTURING

PERFUMERS. CONFECTIONERS.

SYNTHETICS ARTIFICIAL VIOLETS (MYRIONE)

INQUIRIES SOLICITED. LARGE STOCKS

ROBERT FERBER, LTD.

RAOUL FRÈRES

YOUR REOUIREMENTS

Drugs, Chemicals, Essential Oils, :: Leaves, Roots, Dyes, etc. ::

IMMEDIATE DELIVERY.

6 HOLBORN VIADUCT, LONDON, E.C. 1

Telephone - - Central 8728.

WILLIAMSON BROS.



Puffs, Combs, Brushware, Manicure Sets & Sundries.

Extract from C. & D. of Jan. 10th - - "They have been able to obtain some lines which show excellent value for money."

54 LOWER THAMES STREET, E.C.3.

Phone: Avenue 5827



denesis.

An ever-widening circle spreads over the lake until the banks stay its progress. Its genesis was the stone you idly flung a few seconds ago.

The family is in a ferment of anticipa-An ever - widening circle thought turns to words in an exciting discussion. Its genesis was the stone that Jimmy flung into the placid family circle when for home-work purposes he asked what date Easter Monday

The circle of thought becomes a circle of action, and sooner or later it spreads right over your counter.

Curious, isn't it? that the sale of the Manicure Set, the Soap Box, the Face Cream, the Sponge, or the Bathing Cap that Mrs. Brown asks for began when Jimmy reached that problem in his home lessons.

There are thousands of Jimmys and Mables, and Harolds and Peggys throwing those stones into the lakes of family thought just now.

In a week on two there will be feverish preparations for Easter Holidays— such a re-furbishing of holiday equipment-such a stocktaking of holiday

And, the pharmacist who will get the most business is he whose stock is complete and whose window display breathes a holiday atmosphere.

Try this little experiment. Take a sheet of paper and a pencil and write down all the things that a holidaymaker can buy from a druggists' store.

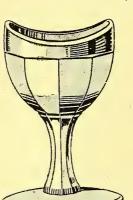
Then tick each item off if your stock of it is complete. And, for the rest—well the House of Maw has almost limitless resources upon which you can draw with the full assurance that not one article therein will fail to give you or your customers complete satisfaction.



Special Glass Offers.

These Opal Pots are of a superior quality, fitted with aluminium screw cap, and will undoubtedly add a tone of refinement to the pharmacists own face cream preparations. In two shapes and sizes as follow :-

Square, 1 oz. **38**/- per gross 2 ,, 54/-Octagonal, 1 ,, 35/-2 ,, 46/-Order No. 1208/S.



No. 10. Eye Bath.



Made of the finest pressed glass in two colours.

The highly polished finish renders it entirely smooth and safe to handle.

> Price 6/6 per dozen in Boxes of one dozen.

Items.

The "M.P." (menthol and Pine) Inhaler gives instant relief in cases of nasal catarrh. Each in card tube 5/- per doz.

Compound Inhalants. — We can supply three excellent Compound Inhalants for use with either the Pocket Oro-Nasal, Vest Pocket and

"M.P." Inhalers.

Clean to use, and the best preparation to prevent eye-glasses becoming obscured is "Everclear." In nickelled tube price 10/- per

dozen. Quite a good selling line.

Each Inhalant predominates in the

medicant forming its title, viz.:-Eucalyptol, Pine, or Menthol. Price 7/6 per doz.

Cuticle Scissors (needlepointed), exceptional style and finish. Price 27/- per dozen, carded.

TELEGRAMS: "ELEVEN, CENT, LONDON,"

TELEPHONE: CITY 7 (PRIVATE BRANCH EXCHANGE).

IT IS **SAFE** TO ORDER

If on receipt you do not consider them excellent in quality, value and saleability, you may return the parcel at our expense for credit.

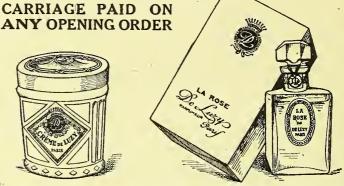
POWDER to retail at 10d., 1/9, 3/3.

CREAM to retail at 1/3, 2/6, 3/9.

Showcards and samples free. Advertised by Poster and Press. PARFUM to retail at 5/-.



ANY OPENING ORDER



W. H. CALNAN & CO., 30-32 Ludgate Hill, LONDON, E.C. 4

PARFUMERIE

De Grand Luxe



Registered Trade Mark

PACAUT et CIE

PARIS.

- The House of Pacaut et Cie of Paris beg to announce that their famous SHYB Products are now available for the English Market, and that their general representative for the U.K. (René Paindessous) is now carrying stocks of all their leading lines in London.
- The SHYB Parfumerie of Pacaut et Cie is a scientific production, distilled from the choicest blooms, and possessing the charm of bouquet and fragrance associated only with the most highly distilled scents.
- Please write for particulars and price list of the many varieties of perfumes. Exceptionally good trade terms. A large public demand is being created by press advertising.
- OTHER PACAUT PRODUCTS.—Pâte Dentifrice, Crême pour Visage, Poudre de Riz, Savon, Eau de Toilette, Lotion pour Cheveux.

WHOLESALE ONLY.

(General Representative for the U.K.) PREMIER HOUSE, 150 Southampton Row, LONDON, W.C.1

TELEPHONE . MUSEUM 1178.

BUISSON FRERES'

Boxwood Series of

Absolute Perfumes

Lily of the Valley

Oriental Poppy

Lilac

Jasmin

Violet

Carnation

Rose

Wallflower

Heliotrope, etc.

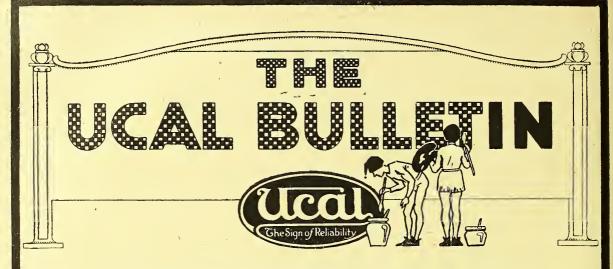
True to odour, strong, yet wonderfully fragrant.

The Retailer secures a Good Profit on the Sales of this series of Perfumes.

FULL PARTICULARS ON APPLICATION.

Sole Proprietors-

W. J. BUSH & CO., LTD.
Ash Grove - - HACKNEY, E.8.



By one means and another Ucal is always dropping a persuasive "word in season" to the general public—the ultimate consumer.

Ucal has developed many of these "lines of communication"—and the monthly "Ucal Bulletin" is just one of them.

It is printed in two sizes—different matter but same subject for the month. Either or both are used by Ucal members for display in the window or inside the pharmacy.

The point is that the message is always timely, pithy, and with a real selling punch.

This is interesting as one of the minor selling-aids that are furnished free to Ucalites regularly.

Information as to many other sales helps will be given in succeeding advertisements.

Meanwhile—is your name on the Ucal Waiting

UCAL

CHELTENHAM



AYRION'S WEEKLY (1988)

The Breath of the Violet



Ayrton's Drop Violet

One drop of Ayrton's Drop Violet Perfume contains the concentrated sweetness of hundreds of fresh gathered Violets.

This exquisite Perfume is packed in dainty bijou glass-stoppered bottles with glass rod for dropping, and can easily be carried in milady's handbag.

For counter display we have a very neat outer to hold six bottles; each bottle in an attractive carton tied with ribbon. The colour scheme for the whole is a delicate violet shade.

ATTRACTIVE SHOWCARDS ARE FREE.

Retail Price	-	-	-	2/6	per bottle
Wholesale -	-	-	- (18/-	per dozen

In the same series we can supply Ayrton's Drop Lilac

Retail Price	-	-	-	2 / 6	per bottle
Wholesale -	•	-	-	18/-	per dozen



GERMOLENE

The Aseptic Skin Dressing

AND

GERMOLETS in Tablet Form for Blood and Skin Troubles.

Powerful and telling advertisements are appearing in the Press throughout the whole of Great Britain, Ireland, and the Channel Isles. To enable every Chemist to meet the demand, we make the following

Special Offer

Orders for any quantity of Germolene and Germolets post free by return mail on best Window-Show terms, viz.:

 $2\frac{1}{2}\%$ Cash Discount, and 5% Window - Show allowance.

ADVERTISED AND SOLD AT FACE VALUE, 1/3 & 3/-Wholesale Prices: Small size, 12/5 per dozen; large size, 30/- per dozen. Cash or references required from new customers.

N.B.—This is a Special Offer, and is subject to acceptance in 14 days.

SECURE STOCKS AT ONCE ON THESE ADVANTAGEOUS TERMS

Sole Manufacturers and Distributors-

THE VENO DRUG CO., LTD.

MANUFACTURING CHEMISTS.

MANCHESTER, ENGLAND.

Telegrams: "SEAWEED MANCHESTER."

Telephone: 422 TRAFFORD PARK.

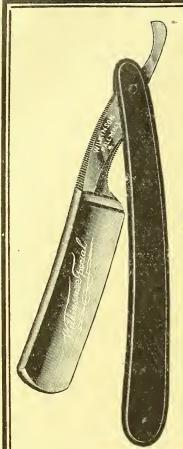


Castols ADVERTISING

BIGGER Spaces than ever are in use on behalt of Castols. Frequent whole and half pages in a long list of "home" papers are bringing an ever-increasing stream of buyers into the Pharmacy—and customers who come to buy the highly profitable Castols are apt to remain to purchase other things also.

THOMAS KERFOOT & C.O. LTP., BARDSLEY VALE, LANCASHIRE, & Bardsley House, London, N.1

COPYRIGHT



WILKINSON SWORD CO. LTD. PALL MALL, LONDON

THE LEADING FIRM OF RAZOR MANUFACTURERS

MANUFACTURERS OF THE

Celebrated

Sword-Steel Razors

Famous throughout the World. Entirely London Made.

THE BRANDS are RENOWNED

Remember "The SPECIAL" Them! "The W&CROWN"

IN BLACK OR IVORY AND SUITABLE CASES.

PRICE ON APPLICATION.

WILKINSON Double-Action Stropping Machine

YOU must stock this Stropping Machine because it is known universally as THE BEST ON THE MARKET for stropping ordinary razors.

"That wonderful toe to heel motion that the barber gets."



LARGELY DVERTISED

THE

A simple device that will give keenness and life to the razor and enjoyment to the shave.

Write for Illustrated Catalogue of Safety Shavers, Razors, and Stropping Machines.

All Orders and Enquiries to

THE WILKINSON CUTLERY CO., LTD., "TUDOR HOUSE," RATHBONE PLACE,

OXFORD ST., LONDON, ENGLAND.



"COMPACTOID"

POCKET & OTHER

FIRST-AID CASES?

These are indispensable to all Sportsmen, Golfers, Scouts and Girl Guides, and no effort is required to sell these smart outfits.

The Case illustrated (A 55) is one of the best sellers for the Chemist's counter, but there are twenty more Cases to select from. Please write for particulars.

CASE A 55.

Wholesale price ... per doz. 18/-Retail ... each 2/-

Descriptive booklets supplied free with orders for 1 doz. Cases or more.

Cuxson, Gerrard & Co.

Oldbury, near Birmingham.

Foreign & Colonial Orders Invited.



A 55.

BOURJOIS & Cie, 66 CARTER LANE LONDON, E.C. 4.

Please note that from this date the prices of

Poudre de Riz de Java (Bourjois)

are as under:

	1/6	ize.	No.	45]	1/2 s	ize.	No	495
1	doz.	-	13/- p	per doz.	. 1	doz.	~	10/-	per doz.
6	,,		12/9	,,	6	,,	-	9/9	,,
12	,,	_	12/6	,,	12	,,	-	9/6	,,,

The P.A.T.A. prices for Java Powder have been increased to 1/6 and 1/2 per box, February 14th, 1920.



London's Use and Recommend Fragrant

The Cream Soap "Exquisite"

WILL MAKE YOUR FACE A PICTURE

Special

Cinema Soap is wrapped and packed three tablets in a box which retails at 2/6, single tablets sell at $10\frac{1}{2}$ d. each. Our price is 22/6 per dozen boxes. Every Chemist sending for one dozen boxes within 14 days will receive

Three dozen Cinema Crushed Rose Face Powder Free, together with sale cards, cinema photos, and advertising matter; also we will send, by special arrangement with the Amalgamated Press, Ltd., 500 copies of "The Picture Show" free of charge. Just figure this value out and send without delay. Cross cheques and P.O.s.

THE CINEMA SOAP COMPANY, Ltd., (Dept. 22) 22 Finsbury Park Rd., London, N.4.

Mr. Fred BARNES, writing from the London Palladium, says:—"Cinema Soap is without question the best and most delightful soap for the skin I have ever used, whilst Cinema Dentifrice is a wonderful preparation. For a long time I have been trying to discover a dentifrice which actually does whiten the teeth with I have been trying to discover a dentifrice which actually does whiten the teeth without injury. Hundreds of preparations claim to do this, but all they really do is to polish up the surface. I have used Cinema Dentifrice with splendid results. Not only does it make the teeth snowy white, but it has, I find, a tonic effect on the throat, a fact very important to all artistes, llthink it is a wonderful preparation, and gladly recommend it to my brother and sister artistes.—Faithfully yours, FRED BARNES."

Miss VIOLET VANBRUGH

Miss VIOLET VANBRUGH and hundreds of other well-known stars use and recommend these super-toilet specialities. They are the latest and best in the world.

POUDRE NILDÉ

in the sifter box

Appeals irresistibly to every woman. The quickest selling line of face powder ever shown.

Minimum Selling Prices:

POUDRE NILDÉ

in the sifter box.

SMALL SIZE, for the handbag	1/-
LARGE SIZE	3/6
Leather or fancy silk vanity cases, small	
size, with mirror	5/-
LARGE SIZE	10/-

ROUGE INVISIBLE NILDÉ

in the sifter box.

SMALL SIZE - - - - 1/6 IN LEATHER CASE - - 5/6

SHOWS YOU 33\frac{1}{3}\% PROFIT.

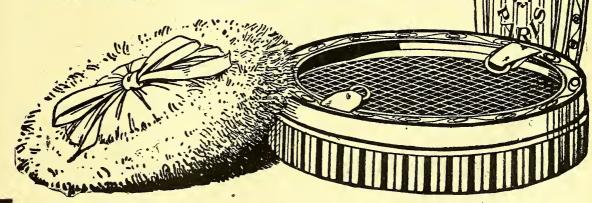
Through your wholesale house.

EACH BOX CONTAINS A PUFF

NILDÉ, PARIS

British & Colonial Agents:

8 Blenheim Street, London, W. 1.



Popularising Oral Hygiene

It is certainly to the interest of the pharmacist to foster the growing interest of the public in the care of the mouth. In the advertisements for Euthymol Tooth Paste in the April magazines (issued this month) attention is directed not only to the defence of the teeth against the results of bacterial activity, but also to the consequences of neglect on the general health. matter of real importance. The advertising of

has done a great deal to educate the public on oral hygiene, and the benefit of this publicity is reaped by the chemist in proportion to the prominence of his display of the preparation.

There is nothing vague about the germicidal power of Euthymol Tooth Paste. It has a definite value—equivalent to that of a theoretical 14% solution of phenol—and this was determined years ago, and has been corroborated by independent bacteriologists. Particulars of the tests used will be sent on request.

> Send a card and see if we can help you to increase your sales.

increase your sales.

PARKE, DAVIS & CO.
50-54, Beak Street, LONDON. W. 1
Laboratories: Hounslow, Middlesex. PARKE, DAVIS & CO.

50-54, Beak Street, LONDON, W. 1

Laboratories: : Hounslow, Middlesex.

Think it over!

THESE ARE JUST THE LINES YOU WANT.

"Leona" Series are of tip-top quality, beautifully packed, well advertised, leave you a good profit, and are on the P.A.T.A.



"LEONA" DENTAL CREAM

(Mint or Thymol)

Small Size ... Cost 4/6 per dozen Sell @ $7\frac{1}{2}$ d. Large Size ... , 8/- , , , @ 1/3

Recommended by the Institute of Hygiene.

"LEONA" CREME DE BEAUTE

Cost 12/- per dozen Sell @ 1/6

A Delightfully Perfumed Vanishing Cream packed in handsome 2-oz. opal pots.

"LEONA" BRILLIANTINE (SOLIDIFIED)

Cost 8/6 per dozen Sell @ 1/-

Packed in beautifully embossed tins and cartons.

POUDRE "LEONA"

Cost 8/- per dozen Sell @ 1/-

Richly perfumed and packed in gold-blocked boxes.

Every Line is a work of art.

Ask your wholesaler to show them to you, and

YOU WON'T REGRET IT

Sole Manufacturers and Proprietors-

THE JACKSON CO., 172 St. JOHN STREET, LONDON. E.C. 1.

The Perfect Paste with the Pleasant Flavour.



Dental Paste

A Perfect Dentifrice. Pleasant to the taste. Profitable to the Retailer. Retail Price, 7¹/₂d. and 1/3.

Window display terms on application.

ANGLODOL, LTD., BERKHAMSTED.

Telephone: BERKHAMSTED 138.

Cables and Telegrams: "ANGLODOL BERKHAMSTED."

G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

> RITISH RUSHES

Please write for full Particulars to-

E.C. 1. Farringdon Road,

HIGH-CLASS BRITISH MADE

Supplied FROM STOCK—NO WAITING Price from 45/- doz.

Complete in case with sheaths, etc.; sample on receipt of P.O. 4/-Special quotations for quantities,

LONDON RAZOR CO., 102 Boleyn Rd., E. 16.

NAIL POLISH FACE CREAM. TOOTH POWDER. POWDER. PASTE. LIANTINE, Solid and Liquid. TALCUM. ET POWDER. SHAMPOO POWDER & LIOUID. MASSAGE CREAM

Your own formula prepared, or we can supply ingredients if desired.

Send for samples and quotations.

A. CONNELL & CO., 3 Jewry Street, LONDON, E.C. 3 PHONE-AVENUE 1945.

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TOOTH PASTE

"STRONG" OR "MILD"

THE SUPER PASTE

"ENOLIN" IS ALSO SUPPLIED IN POWDER FORM, 6d. and 1s. TINS.

SOLE MANUFACTURERS & PROPRIETORS:

A. & E. CARRERAS, Perfumers,

207 King St., Hammersmith, London, W.6.

Selling Agents for Provinces, Ireland and Export: MESSRS. PATIINSON & MACKIE, LTD. Albion House, 59 New Oxford Street, London, W.C.1.

MOUSLEY'S "BEAVERPUF"

Patent Nos. 4931 and 4932.

The Ladies' Natty Friend.

B. quality
Brown
Fur,
3/11
each,
Retail.



G. quality
Grey Fur,
4/6
each,

Retail.

Additional Powder Bags, 6d. each, Retail.

Revolution in Powder Puff Manufacture.

Thousands already sold.

Now stocked by leading Wholesale Houses.

Usual Trade Discounts.

Patentee and Sole Manufacturer:

F. A. MOUSLEY, Priest Bridge, Mortlake, London, S.W.14.

GET YOUR SHARE OF THIS BUSINESS

YOU know the steady all-the-year-round demand created by Snowfire Tablet, and will therefore appreciate that Snowfire Powders will bring you even bigger profits. The higher price of Snowfire Powders gives a larger turnover and consequently a bigger profit on every sale.

Snowfire

POWDERS

THE SURE CURE FOR CHILBLAINS

are extensively advertised in the popular press and they stand up squarely to our claims. Hence the demand and consequent profit to you.

Write for Price List.

F. W. HAMPSHIRE & CO., LD. Riverside Works, Derby.

Per doz

INOIO

A real hair grower that won't let you down, no matter to whom you recommend it. Never out of the best newspapers, magazines, &c., and all trade sent your way.

These are the prices to-day:

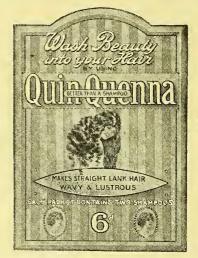
2/- each; 20/4 per doz. 3/6 each; 35/7 per doz. Through any Wholesaler.

HAVE YOU SHOWN THE QUINO LOX GIRL?

If not, you've missed the prettiest Showcard yet out. It cannot help attracting custom and will grace any chemist's establishment. Sent out with orders for one dozen along with one bottle as bonus.

LIKE "QUIN-QUENNA" ALWAYS

ADVERTISED



43%

P.A.T.A.

WE SHALL BE PLEASED send you immediately on receipt of a pos'ca d

1x6 DOZ. DECORATED CARTON AND

1 DOZ. AS BONUS CARRIAGE PAID giving you 43 % P.A.T.A.—coupled with wrappers, bags, showcard, window bills, &c. Trade is splendid already, so don't miss posting the postcard for a single moment.

POSTCARD SHOULD BEADDRESSED TO THOS. CHRISTY & CO., 4-12 Old Swan Lane, London, E.C. 4.

"Jackel's Cream

(without Grease) for THE HAIR

Sold everywhere

Established 1883.

Acalealealealealealeale

"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the It removes headware. Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

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Jackel et Cie (of Paris) Ltd. Sauchiehall Street GLASGOW

Prices for Wholesale and Expers
Houses on application.

With Dummies and Show-cards. Carriage paid. THE BALDWIN MFG. CO., Ltd., 37 Berners St., London, W. 1.

Place a 'BETTERWAY' Assistant IN YOUR WINDOW TO TALK TO THE PASSER-BY.

> "Betterway" Interchangeable Letter Signs are most effective silent salesmen.

Illustrated booklet free.

EVENS, 4a Eagle Street, Kingsway, London, W.

CRYSTALLISED CREAM Trade Mark attached to each bottle. The Dye with a Reputation for reliability.

SEVEN SHADES.

1/6 size 12/- doz. 2/6 size 18/- doz. P.A.T.A.

The only dye giving a natural gloss to the hair. From all wholesalers or direct

KNOX-WALKER & Co., Ltd., 422 Kingsland Rd., London E. 8.

Colouriess, harmlesseyelash food. Beneficial to the eyes.

City Showrooms : 23 Coleman St.

P.A.T.A.

1/, 1/9 & 3 6 EXTENSIVELY

ADVERTISED 25 % on small orders, 33 % on Gross Lots.

For a small show in your window:

OUR WINDOW-SHOW OFFER 3 Doz. @ 1/-9 Free ... Returns Outlay

NET PROFIT 663% 18 0

"ERASMIC" Shaving Sticks.

Retail Selling Prices:

Stick in Blue Enamelled Tin 1/3.

Stick in Nickel Case . . . 1/6.

"ERASMIC," Perfumers, WARRINGTON.

March 1, 1920.

SALES BEAT ALL RECORDS.

Indian Perfume Brick

KEEPS AWAY MOTH. LASTING & FRAGRANT.



FOR LINEN CUPBOARD AND WARDROBE.

On the P.A.T.A.

Retail Price 6d.

Of the Makers

WILLIS, LOW & DRUIFF, LTD.,

6 Mortimer St., London, W.

AND ALL WHOLESALERS

Colognes

Lavender Waters

Toilet Specialities

Hair Creams

Toilet Paraffin

Brilliantine

Honey and Flowers

Юc.

represent all you are looking for. Most attractively put up, excellent quality.

Show big profits.

OUR AIM IS SATISFACTION.

WALDEN, WALDEN & CO.

Manufacturing Perfumers,

89 GT. PORTLAND ST., LONDON, W. 1.



The

HENNA CULT

of Hair Beauty, based on the famous

EVAN - WILLIAMS
ORIGINAL

HENNA SHAMPOO

daily extends its boundaries, and is now a subject for popular journalism.

It pays to sell this famous line.

You will find full details of terms and prices in the current issue of "THE SHAMPOO SALESMAN," a copy of which is gladly sent on request.

Be sure to order



Wholesale only:
THE EVAN-WILLIAMS CO., LTD.
18 Ogle Street - LONDON, W. 1.

·•••••••••

The two quick SELLING LINES with a good profit.

ANZORA CREAM for those with slightly greasy scalps, and

ANZORA VIOLA for those who have a dry scalp, as it has a sufficient quantity of Anzora Oil of Violets.

Don't forget we back you with— FORCEFUL PUBLICITY ATTRACTIVE SHOWCARDS HANDSOME PROFITS

Obtainable from all Wholesalers. Trade Terms and Showcards on request.



Masters the Hair.

Anzora Perfumery Co., Willesden Lane, London, N.W.6.

Quick Seller! Big Profits!



Y selling Camilatone you are making certain of increasing your business because Camilatone makes pleased customers, and pleased customers always come again.

Ladies find that after using Camilatone, the hair appears shades brighter by the lustre it produces. Camilatone is not a dye or a bleach, but a beauty shampoo.

IT IS SIMPLE TO SELL, SHOWS A GOOD MARGIN OF PROFIT, WE ASSIST YOU IN DEVELOPING THE BUSINESS AND HELP YOU WITH VIGOROUS ADVERTISING,



puts Sunshine in the Hair.

Write to-day for a copy of the booklet "Hair Beauty Hints" which will be sent post free with full particulars and trade terms for our specialities including Camilatone Camomile Beauty Shampoos.

CAMOMILE TONIC CO. 16 Lichfield Road, London, N.W. 2.

THE ONLY POPULAR SHILLING FACE CREAM ON THE MARKET

Ven-Yusa Cream

IS STILL ONE SHILLING.

GIVES YOU 33\ddag{\dagger}% PROFIT ON SALE

BEST TERMS FOR **50**/- PARCEL





DAINTY AND ATTRACTIVE FOR THE COUNTER.

BEAUTIFUL SHOWCARDS SUPPLIED.

Any War Packages (Plain Corks) exchanged Free of Cost.

Write for Window-Show Terms to

C. E. FULFORD, Ltd. CARLTON HILL, LEEDS.



ROBARTES, LTD.

1 DYER'S BUILDINGS

Holborn Bars - London, E.C. 1

PROPRIETARY LINES

Per Doz. P.A.T.A.

DECOLTENE The Liquid Hair Remover	-	30/-	3/9
DINKIE The Dainty Deodorant	-	20/-	2/6
DIADEM VANISHING CREAM In "Snowball" Jars	- '	30/-	3/9
DIADEM FACE POWDER - In Six Shades	-	20/-	2/6
	-	20/-	2/6
DIADEM CREME ROUGE - For Cheeks and Lips	-	20/	2/6
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1 oz		14/-	-,-
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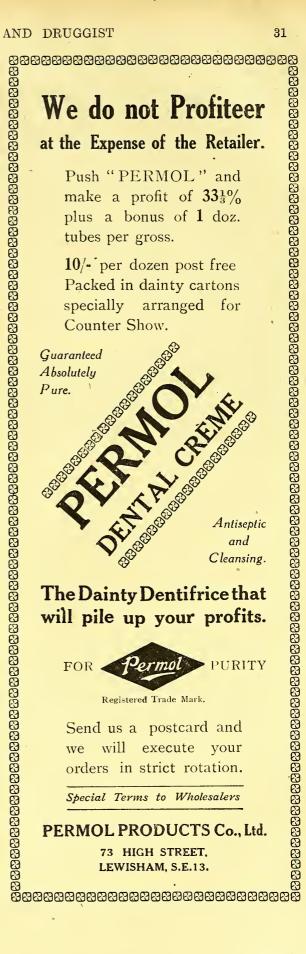
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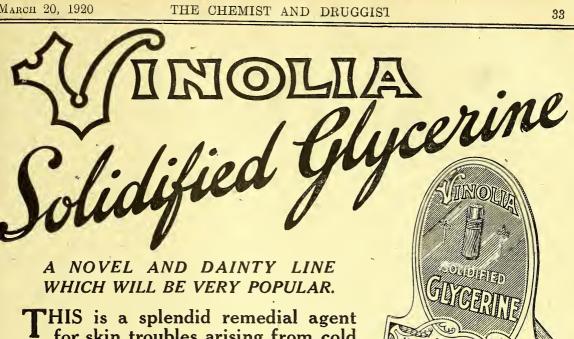
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non-inflammable 8	$\times 1\frac{1}{2}$ in. 9/-	74 ,, ,, ,, 8	\times 1\frac{3}{4} in. 27/-
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168 White ,, ,, 72	\times 14 in. 18/- \times 14 in. 24/-	63 Special line, assorted, in ca 75 Shell celluloid, in cases 4	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
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167	White celluloid				Size		Per Doz
		burr g	railled		$6\frac{1}{2} \times$	14 in.	12/6
117	, 22	,,	,,	• • •	$7\frac{1}{2} \times$	12 in.	21/-
115	2.5	"	* *			1_4^3 in.	
174	. 19	"	,,		8 ×	$1\frac{3}{4}$ in.	27 <i>i</i> -
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3/3	***	***	12 11 22		• • •	• • •	• • •	3/3		• • •	24/0	,,
1/3	• • •		Cinnamon Inf. Tabs.	• • •	• • •	•••	• • •	1/3			9/0	12
1/3			Formalin Throat Loz.					1/3			9/0	71
1/3			Iodised ,, ,;	• • •				1/3			9/0	22
1/3	•••		Bismuth Mag. Tabs.					1/3			9/0	,,
1/3			Tower Bridge Toffee					1/3			10/0	
2/0			Phosphogen Bon-Bons		•••	•••		2/0		•••	16/0	,,
2/0		•••	Beef Tea Loz					2/0			18/0	"
1/6		•••	Original Delectables	•••	•••			1/6	•••		12/0	"
1/6			1 oz. Eau de Cologne			•••	•••	1/6			11/0	"
2/6	•••	•••	•	•••		•••	•••	,	•••	•••		"
	•••	•••	2 oz. ,, ,, ,,	• • •	• • •	• • •	•••	2/6	•••	• • •	21/0	,,
4/6	•••	***	4 oz. ,, ,, ,,		• • •		• • •	4/6	• • •		39/0	"
7/6	•••	• • •	½-pt. Wicker Eau de C	Cologne				7/6			70/0	21
12/6	•••	***	J.pt. ,, ,, ,,	,,		•••		12/6			106/0	,,
2/6		• • •	13 oz. Lavender Water					2/6		•••	22/0	19
4/6	***	•••	3 oz. ,, ,,	•••	•••	• • •		4/6		•••	40/0	"
., ,			0 02. ,, ,,			•••		-,0	•••	•••		"

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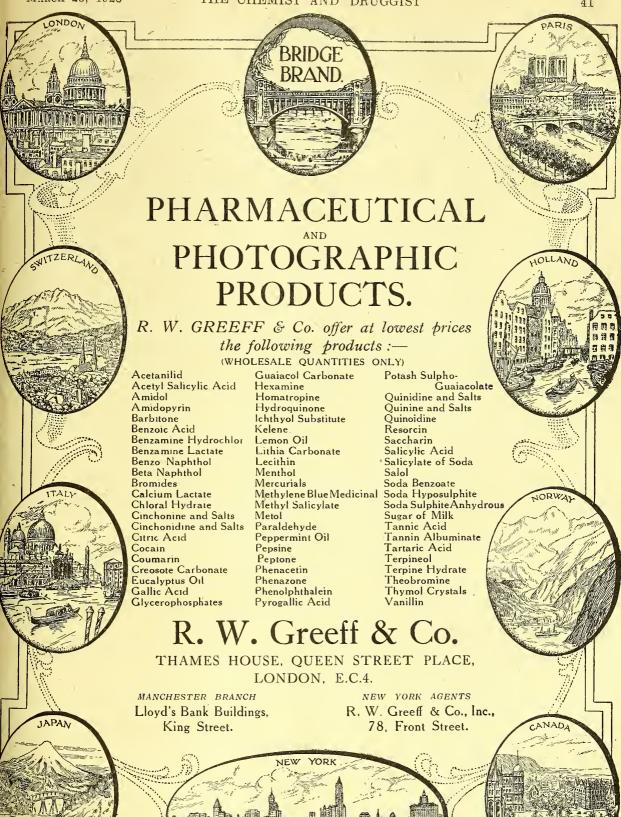
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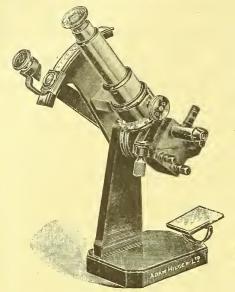
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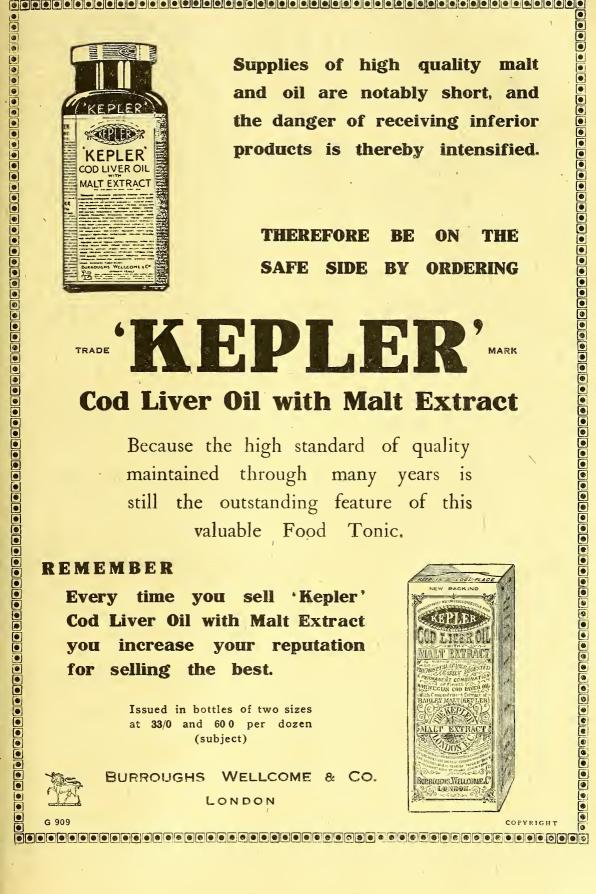
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CONTENTS.

No. 12. Series 2095. Vol. 92.

	20,01 1011 /21
Birth	Legal Reports
English News	Scottish News
War 45 Festivities 55 Information Department 58 Insurance Act Dispensing 55 Irish News 48	Trade Notes 58 Trade Report 68 Westminster Wisdom 52 Winter Session 54

Coming Events.

Tuesday, March 23.

South-West London Chemists' Association, "The Bijou Hall,"
Balham High Road (corner of Elmfield Road), at 8.30 P.M.
Lantern lecture by Dr. J. Stanley White on "The Nature and
Use of Biological Products."

Use of Biological Products."

Wednesday, March 24.

Leicester Pharmacists' Assistants' Association, Turkey Café, Granby Street, at 745 P.M. Annual meeting.

London Chemists' Golfing Society, Alexandra Hall, Frascati's Restaurant, London, W., at 6.30 P.M. Dinner. Tickets (12s. 6d. each) from Mr. G. F. Deeth, 40 Cleveland Park Avenue, Walthamstow, London, E. 17.

London (Western) Pharmacists' Association, Pinoli's Restaurant, Wardour Street, London, W., at 8.30 P.M. Mr. J. Ward, B.Sc., on "Colloids in Pharmacy."

Birmingham Pharmaceutical Association, Imperial Hotel, Temple Street, at 8.30 P.M. Sir William Glyn-Jones on "Current Pharmaceutical Topics."

Thursday, March 25.

Chemical Society, Burlington House, Piccadilly, London, W., at 5 p.m. Annual general meeting.

London (Western) Pharmacists' Association.—A whist-drive and supper will be held at Pinoli's Restaurant, Wardour Street, London, W., on April 14, at 7 r.m. Morning dress. Tickets (6s. each) from Messrs. B. R. Wilkinson, 23 Cromwell Place, London, S.W. 7; and W. Browne, 1 Avenue Parade, Finchley Road, London, N.W. 3.

UCAL FEDERATION (LONDON BRANCH).—The annual dinner will be held at the Connaught Rooms, Great Queen Street, London, W.C., on April 15, at 6.39 r.m. Evening dress. Tickets (12s. 6d. each) from the Secretary, Mr. G. W. Evans, 239 Hammersmith Road, London, W.

Experiences of the Great War.

Contributions to this section are invited.

XXXII.—A Sergeant-Dispenser's Views.

Much to the disgust of my employer, my Army life began early in September 1914. After forming fours and performing other interesting antics at Chelsea for about three weeks, by virtue of my qualification I was pro-moted sergeant, and was put in the invidious position of taking charge of a field ambulance section. In course of time, however, I was lucky enough to be attached to a C.C.S., and it was while this unit was training that I performed at a general hospital some useful locum work for one or two other sergeant-dispensers, who were in need of a little furlough. In March 1915 the C.C.S., including myself, was sent to France to a town about seven miles behind the line, but which has since been blotted off the map. Here we stayed for three years, and with the exception of a bomb or two, one of which blew in the windows of the dispensary, we experienced nothing of the horrors of war. Early in 1918 it became necessary for the hospital to seek larger premises, and consequently a young town was built for us a few hundred yards from the railway station. Just as we had got settled the Boche began to get really rude, and after he had deposited a few souvenirs (which the technical called H.E., I believe) it was decided that we should retire to a more respectful distance. We now had to fall back on canvas for a covering. Our stay in our new abode was again very short; and after ten days we had to pack up in double-quick time. We got most of our equipment away, but a good deal of the Q.M. stores was left, a fact which was much appreciated by the gallant infantry. men who occupied our site two days after we had cleared. Afterwards we were given a fortnight's holiday, and, considering that we had not stopped working as a hospital since April 1915, we flattered ourselves that we had earned it. The summer of 1918 was chiefly remarkable for the influenza epidemic, with 600 cases passing through each day. The dispensers, therefore, did a little towards earning the extra sixpence a day which can be obtained after reams of correspondence suitably inscribed "passed to you." The Armistice found us encamped on a miniature Switzerland not far from the brickfields where O'Leary won his V.C. The weeks preceding demobilisation were the most wearisome period of the whole campaign, and it was with anything but charitable feelings that we opened again at Poperinghe for the purpose of that we opened again at Poperinghe for the purpose of receiving local sick and alleged sick from a prisonersof-war camp. The demobilisation officer had evidently forgotten us. After seeing men from neighbouring units with years' less overseas service than ourselves being "demobbed" thick and heavy, a select committee waited on the O.C., with the result that a good number of us were "demobbed" almost immediately. At last we got back to "Blighty." In spite of the cheery R.A.M.C. man on the recruiting poster inviting pharmacists to join him, I for one am not sorry to be a civilian once more.

J. L. CADOUX. (109/35.)

A CHAMBER OF TRADE is being formed at Keighley.

LECTURING recently at the Royal Institution, Sir John Cadman said that miners' nystagmus, an eye disease due to the indifferent illumination afforded by the safety-lamp, is estimated to cause a loss to the country in compensation and reduced output of at least 1,000,000l. per annum. The Davy lamp, which, with certain modifications, is the safety-lamp of to-day, has brought about miners' nystagmus.

ACETALDEHYDE WANTED.—The British Chemical Trade Association, 80 Fenchurch Street, London, E.C. 3, has been advised by the Department of Overseas Trade that they have an inquiry for a weekly supply of 10 cwt. acetaldehyde. Members interested may obtain the name and address of the firm on application to the Association.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

The King's National Roll.

We have received from the Ministry of Labour a copy of the first edition of the King's National Roll, a book of over 300 pages containing the names and addresses of employers who have given undertakings for the employment of disabled men. The book contains nearly 10,000 names, with full particulars of the scheme. Since the book went to press the number of patriotic employers registered has, we are informed, grown to over 12,000. The total is still growing, but the supply of disabled men is, unhappily, by no means exhausted. All the available evidence points to remarkable power of overcoming disability on the part of the men, and of anxiety to become useful members of society. The list of firms and companies in London includes the following:

panies in London includes the following:

Stafford Allen & Sons, Ltd., Armour & Co., Ltd., Ashton & Parsons, Ltd., John Bell, Hills & Lucas, Ltd., The British Drug Houses, Ltd., The William Browning Co., Ltd., Burt, Boulton & Haywood, Ltd., W. J. Bush & Co., Ltd., J. C. Eno, Ltd., J. C. & J. Field, Ltd., Genatosan, Ltd., J. Grossmith & Son, Ltd., Adam Hilger, Ltd., C. J. Hewlett & Son, Ltd., Houghtons, Ltd., Idris & Co., Ltd., E. Jackson & Co., Ltd., Johnson, Matthey & Co., Ltd., Thomas Keating, Kemball, Bishop & Co., Ltd., Kemp & Co., G. B. Kent & Sons, Ltd., G. A. Kerley, H. K. Lewis & Co., Ltd., Mansell, Hunt, Catty & Co., Ltd., Marmite Food Extract Co., Ltd., N. W. Mitchell & Sons, Ltd., Morgan Cruciblo Co., Ltd., Nestlé and Anglo-Swiss Condenced Milk Co., James Pascall, Ltd., Pond's Extract Co., Potter & Clarke, Ltd., J. H. Reed, Ltd., Roberts' Capsule Stopper Co., Ltd., The "Sanitas" Co., Ltd., Sapon Soaps, Ltd., Scrubb & Co., Ltd., Stephen Smith & Co., Ltd., Stevenson & Howell, Ltd., Suttley & Silverlock, Ltd., Titterton & Howard, Venesta, Ltd., A. Wander, Ltd., Whiffen & Sons, Ltd., W. Woodward, Ltd., Wright, Layman & Umney, Ltd.

Contracts.

The following tenders have been accepted by the bodies named:

Boston Guardians .- Mr. E. A. Bailey, chemist and druggist, drugs.

Isle of Wight Guardians.-Millidge & Son, chemists,

Newport, drugs, etc.
Milton Regis Urban District Council.—Mr. N. T.
Maundrell, chemist and druggist, and The "Sanitas" Co., Ltd., disinfectants.

Nantwich Guardians.-Russell & Andress, chemists, Crewe, drugs.

Romsey Guardians.-Mr. F. Oram, Ph.C., drugs and dressings.

Swansea Corporation.—Killgerm Co., Ltd., and The "Sanitas' Co., Ltd., disinfectant fluids; McDougall Bros., Ltd., fumigators; Jeyes' Sanitary Compounds Co., Ltd., disinfectant soaps; United Alkali Co., Ltd., chloride

of lime, etc.; Killgerm Co., Ltd., sulphur candles, etc.
Thanet Joint Hospital Board.—H. & F. Pyman,

chemists, Westgate-on-Sea, drugs, etc. Weymouth Guardians.—Mr. M. T. Evans, chemist and druggist, dressings.

Chemists' Retail Price Lists

The London Chemists' Retail Price List for March has been supplemented by a list of additional alterations. Those in the drug section comprise: Glycerin., 5d. oz.; glyc. ac. tannic., 10d. oz.; santonin., 4d. gr.; tragacantha, 6d. dr. Bay rhum (industrial) is quoted at 1s. 3d. per 4-oz. bottle; quinine wine (pint) at 2s. 3d. A list of proprietaries altered in price is also given. On the back of the sheet is reprinted (from The CHEMIST AND DRUGGIST, February 28, p. 92) the Prescription Pricing Chart compiled by Mr. Herbert Skinner, Ph.C.

The following are among the alterations in the current issue of Philip's "Standard" Retail Price List: Drugs.—Acid. carbolic. liq., $4\frac{1}{2}d$. oz.; acid. citric. pulv., $8\frac{1}{2}d$. oz.; acid. tartaric. pulv., 6d. oz.; crem. tart. pulv., 5d. oz.; ferri et anm. cit., $9\frac{1}{2}d$. oz.; ferri et quin. cit., 3s. $4\frac{1}{2}d$. oz.; glyc. ac. tannic., 8d. oz.; hennæ fol. pulv.,

 $6\frac{1}{2}d$. oz.; lin. terebinth., 7d. oz.; liq. formaldehydi, $6\frac{1}{2}d$. oz.; mag. cit. efferv., No. 1, 6d. oz.; ol. ricini sec., 3d. oz.; paraf. moll. flav., $2\frac{1}{2}d$. oz.; pot. permang., $8\frac{1}{2}d$. oz.; oz.; paraf. moll. flav., $2\frac{1}{2}d$. oz.; pot. permang., $8\frac{1}{2}d$. oz.; quin. sulph., 1s. 6d. dr.; resorcin., 1s. dr.; sulph. precip., $3\frac{1}{2}d$. oz.; tinct. quin. amm., $7\frac{1}{2}d$. oz.; ung. methyl salicyl., $10\frac{1}{2}d$. oz. Compressed Tablets.—Acetylsalicylic acid (25), 10d.; ammoniated quinine (25), 1s. 2d.; Easton's syrup (25), 1s. $1\frac{1}{2}d$.; quinine sulphate, 1 gr. (25), 1s. Bandages.—Crêpe Velfin, $2\frac{1}{2}$ in., 3s. $7\frac{1}{2}d$.; waterdressing, open wove, No. 1, 2 in., 6d.; $2\frac{1}{2}$ in., $9\frac{1}{2}d$.; 3 in., $11\frac{1}{2}d$. A new feature in this month's issue is a "List of goods sold by the pint, quart, or gallon," calculated to the nearest penny up. This is distinctly a convenience for goods commonly sold in "heavy" quantities. e.g., for goods commonly sold in "heavy" quantities, e.g., methylated spirit.

Wages Questions.

The National Amalgamated Union of Shop Assistants, Warehousemen, and Clerks has issued a new scale of pay which is to form the basis of demands for an increase in wages for office workers: For London the new minimum scales at the age of twenty-six are:

,	Men	Women
Ledger clerks and cashiers Correspondence clerks, typists, etc. Salesmen Packers Liftmen, hoistmen, and collectors Porters and cleaners	£ s. d. 5 0 0 4 8 0 4 10 0 4 0 0 3 17 6 3 15 0	£ s. d. 4 0 0 3 10 6 3 12 0 3 4 0 3 2 0 3 0 0

The same union has been negotiating on behalf of the assistants, warehouse and clerical staffs employed by the following scientific-instrument makers: J. J. Griffin & Sons, Ltd., Kingsway; Townson & Mercer, Camomile Street: A. Gallenkamp, Finsbury Square; and W. & J. George Co., Hatton Wall, London. The programme submitted includes a 35 per cent. advance upon present wages and the adoption of the minimum-wage schedule. As an agreement could not be reached, the matter was submitted to the Ministry of Labour, who are arranging meetings between the parties affected.

The union has also been in negotiation with the United Chemists' Association, Ltd. (Ucal), Cheltenham, concerning the adoption of a schedule of wages, etc. As it has been impossible to come to agreement, the points of difference are being referred to a joint committee of the Drug and Fine Chemical Manufacturers' Association and the unions connected with the trade.

Sale of Food and Drugs Acts.

At Halifax, recently, a tradesman was fined 51., with 41. 184. 6d. costs, for selling vinegar containing less than 4 per cent. of acetic acid. It was stated for the defence

that the percentage of acetic acid was 3.8,
At a recent meeting of the Ramsgate Town Council it was reported that five samples of medicine compounded from prescriptions revealed, on analysis, "slight defici-encies or excesses." It was decided to caution the chemists responsible.

An Oldham Centenary.

Braddock & Bagshaw, Ltd., chemists, 37 Yorkshire Street, Oldham, have just celebrated their centenary, as also has the business of Mr. William Braddock, Ph.C., 1 Market Place. The Yorkshire Street business was founded by the late Mr. William Braddock in March 1820, and he conducted it until 1862, when he retired in favour of his two nephews, Mr. George Braddock and Mr. William Bagshaw. Subsequently this partnership was dissolved-Mr. Bagshaw retaining the Yorkshire Street pharmacy and Mr. Braddock that in Market Place. Later, Mr. Bagshaw was joined by his brother, the late Mr. Henry Braddock Bagshaw, the father of Mr. Harold Bagshaw, the present managing director of Braddock & Bagshaw, Ltd. Mr. William Braddock, the founder of the business, died in 1869. He served his apprenticeship to the late Mr. Nunn, Nottingham, whose shop had been occupied as a chemist's for upwards of two centuries. The late Mr. George Nelson, of gelatin fame, was a fellow-apprentice with him. When Mr. Braddock went to Oldham in 1820 there were only two shops which had any pretensions to rank as druggists'. One was in High Street, and was kept by a Mr. Schofield. The other was in the Old Market Place and was conducted by one Daniel orme. It was renowned as "Sweet Peggy's"—in honour of Mrs. Orme, who added the business of a confectioner to that carried on by her husband. The drawers for Mr. William Braddock's original shop were constructed by his own labour during the winter of 1819-20, and those drawers are still in use at 37 Yorkshire Street.

Birmingham.

The current salary here for a lady dispenser to a general practitioner is 30s. a week.

A Treasury grant of 25,000l. has been made for the extension of certain local hospitals.

Mr. Laurence C. Tipper, Balsall Heath, has been appointed temporary President of the new Birmingham Rates Association.

Mr. Wilfrid Hill presided at a recent meeting in the Midland Institute, when an address was given by Dr. Dundas White on "Sydney Rating."

The death is announced of Professor C. Lapworth, LL.D., F.G.S., F.R.S., professor of geology at Birmingham University for thirty years, aged seventy-eight.

Not even in Scotland, Dr. Stanley White confessed to the local Association after his recent lecture, had he been bombarded with so many questions as in Birmingham.

A Moseley pharmacist had a prescription presented to him recently, which read: "HgCl₂, gr. ij.; pulv. jalapæ, gr. xxx. M. ft. pulv. Cap. hae nocte." Happily, the dispenser "scotched" it.

Several local pharmacists have recently acquired motor cars—or so it seems. Whether a new car is evidence of prosperity, or whether it simply means that the owner has done without several other things, is debatable.

A note on the readers of papers at the meeting of the local section of the Society of Chemical Industry on March 11 may be of interest. Messrs. D. F. Twiss and S. A. Braizer, who dealt with catalysis as applied to vulcanisation, are at the Dunlop works at Aston Manor, the former having been at one time a demonstrator in pharmacy at the Technical School. Dr. R. S. Morrell, who discoursed on catalysis in the oxidation of oils, is chemist to Mander Bros., Wolverhampton. Mr. A. W. Knapp, whose subject was oil hardening by catalysis, is junior chemist in the laboratories of Cadbury, Brothers, Ltd. Mr. L. P. Wilson, who discussed the catalytic oxidation of cellulose, is chemist and works manager to Courtauld's, Coventry. All these papers were of a high order of informative statement.

Leeds.

The Leeds Chamber of Trade recommends the closing of shops on Good Friday, Easter Monday, and the following Tuesday.

At a recent dinner of the University Dental Students' Society, Professor J. Kay Jamieson suggested that Leeds would shortly have a well-equipped institution for the 'development of dental science and practice, capable of providing for the training of 150 students.

Liverpool.

Mr. W. H. Saunders (Ayrton, Saunders & Co., Ltd.) expects, according to his latest letter, to return home in May.

The wholesalers, though silent at a recent debate at the Liverpool Chemists' Association, are not prepared to let their case go by default.

At a recent "rally" of Rexall chemists from Lancashire, Cheshire, Shropshire, and North Wales, held at the Exchange Station Hotel, the following officials were appointed for 1920 for the Liverpool and District Rexall Club: President, Mr. J. W. Deakin, J.P., Northwich; Vice-President, Mr. R. G. Edwards, Fallowfield, Manchester; Secretary and Treasurer, Mr. Harold Lomax. Edge Hill, Liverpool.

Liverpool University is appealing for 1,000,000% in order to modernise the laboratories, which have been in existence since 1881 and are quite unequal to post-war demands. At a meeting held on March 12 the Lord Mayor said that more teachers were required if the University was to maintain its high reputation. The total of subscriptions announced to date is 201,500%.

A farewell dinner, preceded by a presentation, was given to Mr. E. H. Bentley, late of the representative staff of Ayrton, Saunders & Co., Ltd., on March 12. The presentation took place in Crane Hall, Mr. H. Nixon, deputychairman of the company, presiding. Mr. Bentley was asked to accept a silver tea-and-coffee service from the directors, and a silver centre-piece from the staff. Mrs. Bentley was presented with an umbrella, and Miss Bentley with a hand-bag. The dinner was held at the Washington Hotel, Mr. H. Nixon again occupying the chair. Several telegrams from representatives, conveying their best wishes and regrets at absence, were read, and the toasts, "The King" and "Our Guests," were duly honoured. "The King" and "Our Guests," were duly honoured. Mr. Bentley, in replying to the latter toast, gave a few reminiscences of his pioneer days as a representative; in those days he stocked nearly every chemist on his ground with tooth forceps, and remembered on one occasion buying a sheep's head to demonstrate the art of dentistry to a prospective buyer. An excellent musical programme was provided by members of the staff. Mr. Bentley, who has been associated with the company for forty-five years, is now with Barnes & Son, chemists, 114 Fishergate, Preston.

Newcastle-on-Tyne.

Rapid strides have been made by Iglodine since it came into the hands of the new proprietors. The factory has been refitted and the business reorganised, while a bold advertising campaign has been entered upon.

There has been considerable talk of prospective changes in the wholesale trade in Newcastle. One well-known house is understood to have sold its factory, and new premises have latterly been acquired by two other firms of manufacturing chemists.

Sheffield.

Mr. Ernest Preston, Ph.C., has been elected an honorary member of the Sheffield Pharmaceutical Students' Association. Mr. Preston is President of the Sheffield Pharmaceutical and Chemical Society, of which Mr. J. A. Johnson, 54 Barber Road, is secretary.

Mr. Herbert Antcliffe, chemist and druggist, treasurer of the Sheffield Pharmaceutical and Chemical Society and secretary of the Sheffield Pharmaceutical Committee, has been nominated as a candidate for the Council of the Pharmaceutical Society of Great Britain. Mr. Antcliffe has expressed his intention of standing.

The Sheffield students have promptly acted on Major Peck's suggestion that they should form a library. The books will be housed at Barker's Pool. It is hoped to augment the fund by circularising local chemists. Negotiations are also well in hand for a plot of land in the Botanical Gardens for the growth of specimens.

Mr. John Evans, F.I.C., Ph.C., has received many congratulations on his appointment as examiner to the Pharmaceutical Society of Great Britain. Mr. Evans is the public analyst for Sheffield and York. He passed the Qualifying examination in 1898, after winning a Bell scholarship, and negotiated the Major in the following year. While Vice-President of the local Society, Mr. Evans contributed a number of scientific papers to its proceedings.

Miscellaneous.

Poison-licence Application.—G. S. Reeve, Lamberhurst, has applied to the Kent County Council for a licence to sell agricultural poisons.

WINE LICENCE GRANTED.—Mr. J. T. Jamieson (Jamieson's Pharmacies, Ltd.), 10 Saville Street West, North Shields, has been granted a wine off-licence.

THE Wellcome Historical Medical Museum, 54A Wigmore Street, London, W. 1, will be closed for cleaning and redecoration from April 1 to April 30 inclusive.

PRICE OF AERATED WATERS.—It is stated in the daily Press that mineral-water manufacturers have advanced the price of bottles of aërated waters by 6d. per dozen. The manufacturers hold that there is plenty of profit allowed to the retailer, so that it should not be necessary for the price to be increased to the public. There is also, it is stated, to be an advance on the deposit-charge for bottles, syphons, and boxes.

Mackenzie Davidson Memorial Fund.—In our last issue (p. 49) reference was made to a proposal to establish a chair of radiology in memory of the late Sir James Mackenzie Davidson. Donations, it is now announced, may be sent to Dr. Robert Knox, 38 Harley Street, London, W. 1. Cheques should be crossed, made payable to the London Joint City and Midland Bank, and marked "The Mackenzie Davidson Memorial Fund."

Poisonings.—The following cases of fatal poisoning have been recorded since our last report: At Bridlington, John McKenzie, canvasser, Huddersfield, died from taking an overdose of laudanum while suffering from toothache.—At Bradford, Percy Frank, spinner's manager, committed suicide by taking spirit of salt while suffering severe pain. A "Temporary insanity" verdict was recorded at the inquest.—At Heston, Hounslow, Mr. E. Currey, solicitor, committed suicide in a nursing home by taking veronal. An open verdict was returned at the inquest.

Ramsay Memorial Laboratory.—The sum of 25,000l. has been allotted from the Ramsay Memorial Fund towards the erection of a Ramsay Memorial Laboratory of Chemical Engineering on a site which the Senate of the University of London has undertaken to provide. The total sum required for the building and equipment is 50,000l., and it is proposed to close the general fund next June. In a letter to the Press, signed by Mr. Asquith, Mr. H. A. L. Fisher, President of the Board of Education, and others, an appeal is made to chemical and engineering firms. The treasurers are Lord Glenconner and Professor J. Norman Collie.

Fatal Explosion at Aniline-Dye Works.—An explosion which caused the death of two workmen and injuries to numerous others occurred on March 16 at the works of H. N. Morris & Co., Ltd., aniline-dye manufacturers, Denton, Manchester. The cause of the explosion is unknown. It shook the whole district, and windows were smashed by the score. The building in which the explosion occurred has not been used for months, and only two workmen were employed there. The plant was believed to be free from all chemicals. If the force of the explosion had gone in the opposite direction the whole town might have been damaged.

IN THE COURTS.—At Marlborough Street Police Court, London, on March 12, Harold Masters (26), described as a chauffeur, Emile Lotchinger (19), waiter, and Frances Standon (21) were each sentenced to six months' hard labour—the first-named for supplying cocaine, and all three for being in unauthorised possession of it. A detective-sergeant produced a book found on Masters, which contained names and addresses of customers for cocaine, and showed takings of between 5l. and 7l. a day. —At Old Street Police Court. on March 12, during the hearing of a case in which Devi D. Sasun, a medical man, is charged with the murder of a woman named Wright, Mr. John Webster, F.I.C., a Home Office analyst, said he found chloral hydrate in the woman's body, but not enough to cause death by poisoning. Chloral hydrate was found in a bottle in her handbag. He was unable to tell by the analysis how much had been taken. The hearing, after an adjournment, resulted in the committal of the prisoner for trial.—At Wolverhampton, recently, a girl aged fifteen and a boy aged ten were charged with breaking and entering into the shop of Mr. Sidney Phillips, Ph.C., Lichfield Street, and stealing goods valued at 2l. 18s. 6d. The girl was remanded, and the boy was placed on probation.—At Scarborough, on March 12, a shoemaker named Hildrick was charged with attempting to poison himself by drinking a solution of ammonia. He was bound over.—At Morpeth, on March 17. Thomas Cawthorne, drug-store proprietor, was fined 10%, for keeping cocaine without authorisation.

Irish News.

Brevities.

Mr. J. A. Woodside, Ph.C., Church Street, Ballymena, has been elected a member of the Executive Committee of the County Antrim Agricultural Association.

The Local Government Board has sanctioned an increase of 5 ℓ , per annum in the salary of Mr. R. F. Blake (Belfast), analyst to the Lurgan Board of Guardians,

Mr. W. A. Murphy, Ph.C., who has lately been demobilised, has purchased the pharmacy carried on at Pettigo, co. Donegai, for many years by Dr. James Dickson.

Mr. Huston Lancashire, J.P., Ph.C., Ballymena, chairman of the local Urban Council, together with several other councillors, acted as gravediggers recently, the municipal employés being on strike.

At the recent Sligo Assizes, Mr. P. N. White, Ph.C., Sligo, appealed against a decision of the County Court Judge in decreeing against him for 17l. in a civil bill for 37l. brought by John Curran, Breeogue, for damages and trespass of cattle and injury to crops. The Judge reduced the decree to 7l. 10s.

The Irish Boards of Guardians will shortly award contracts to the successful tenderers for medical and surgical supplies to the various dispensaries and workhouses for the year beginning April 1. Competition this year is said to be fairly keen, and the war measure of six-monthly tenders has been dropped in favour of the former system of yearly contracts.

Early on March 10 an outbreak of fire occurred in the medical hall of Mr. S. G. Mackey, Conway Square, Newtownards, and, despite the efforts of the firemen, the shop was completely gutted. It is estimated that the damage amounts to between 4,000l. and 5,000l. Mr. Mackey has already obtained temporary premises at 13 Conway Square, Newtownards, and has resumed business. It is believed that the fire was the work of an incendiary, as two other outbreaks occurred the same night in the town, one of which caused damage to the extent of 20,000l.

Belfast.

The annual meeting of the Ulster Retail Drug-trade Association has been fixed for March 24 at Belfast. It is understood that Mr. J. C. Culbert, secretary, intends to retire.

At an inquest held recently in Belfast, on the body of Mary Doherty, age fifty, the jury returned a verdict of death from heart failure, following the drinking of methylated spirit, and added a rider to the effect that proper restrictions should be exercised over the sale of methylated spirit.

At a recent meeting of the Belfast Chamber of Trade, Mr. J. B. Skelly said he thought the time had come when they should have a membership and executive representative of the chemists and other traders, instead of their being practically a drapers' chamber. It is understood that the matter is to be considered.

On March 10 a lantern lecture was delivered in the Assembly Rooms, Belfast, by Mr. S. Jamieson, London, under the auspices of the North Irish Pharmacists' Association, entitled Liquid Paraffin from the Well to the Pharmacy. Mr. Hugh Crail (President) occupied the chair, and there was a large attendance. The lantern was manipulated by Mr. W. J. Rankin, jun., Ph.C.

Dublin.

Mr. M. L. Ryan, Ph.C. (late of Grand Canal Street Dispensary), has been appointed resident chemist to Peter Street Dispensary, Dublin Union.

The portrait of Dr. J. C. McWalter, the recently appointed High Sheriff of Dublin (C. & D., March 6, p. 67), appeared in the London "Daily News" on March 12. On St. Patrick's Day (March 17) Dr. McWalter gave a luncheon in the Mills Hall, 8 Merrion Row, Dublim.

Scottish News.

Brevities.

Scottish chemists have to thank various manufacturing firms for revised price labels, some of which are very happily worded.

Post and passenger-train wholesale orders show a distinct falling-off. The booking-fee and surcharge are

having their effect.

Mr. W. Watts, chemist and druggist, has been appointed President of the Crieff Merchants' Association

for the ensuing year.

Mr. Rioch, Keith, managed to save a good deal of his stock during the fire of March 3 (C. & D., March 13, p. 50). Considerable damage was done, however, by water. Mr. Rioch has secured another shop near by.

Mr. J. Irvine, organising secretary for Scotland of the Drng Union, recently addressed a meeting of chemists' assistants and apprentices in the Railway Hotel, Falkirk. It was agreed to form a local branch, and officers were elected.

A correspondent informs us that many years ago it was the practice to charge late fees from closing to 11 P.M.; after that hour the late fee was doubled. The assistants in attendance and the proprietor received each 50 per cent. of the fee.

Mr. Alexander Simpson, chemist and druggist, 45 Mill Street, Alloa, is advertising in the local papers to the effect that, having to leave his present premises (although willing to pay increased rent), he will be pleased to hear

of any suitable shop.

The Consultative Councils set up under the Scottish Board of Health Act have appointed the following chairmen and vice-chairmen: Medical and allied services—chairman, Sir Donald MacAlister; vice-chairman, Dr. Norman Walker. National Health Insurance—chairman, Mr. William Thomson; vice-chairman, Mr. Thomas J. Addly. Local health administration and general health questions—chairman, Sir Thomas Munro. Highlands and Islands—chairman, the Duchess of Atholl.

Dundee

"Cascara saccharins" is a current term here for sugarcoated tablets of cascara sagrada.

Mr. A. Soutar, chemist and druggist, late dispenser at the Royal Infirmary, has joined the staff of Mr. J. H.

Thomson, chemist and druggist, Lochee.

Mr. James Hood, chemist and druggist, has been appointed dispenser at the Royal Infirmary. Mr. Hood, who served his apprenticeship to Mr. G. J. Lindsay, chemist and druggist, 111 Nethergate, has recently been demobilised.

Fife.

Followers of the Fife foxhounds had a unique experience on March 13. Following one of the best runs of the season, the day's sport was brought to a sudden termination by the collapse of several of the hounds. Painter and Cymbal, two of the oldest hounds, rare old stock, were the first to collapse at the village of Arncroach, and they succumbed. So far as could be seen, only one other hound showed signs of serious illness, and he was brought round. A veterinary surgeon from Cupar, who saw the dead hounds, had no difficulty in pronouncing that death was due to poisoning.

Glasgow.

The University authorities have under consideration a scheme for limiting the enrolment of students.

Murro, McLaren & Sutherland, druggists' sundriesmen, Cadogan Street, have contributed 5/. to the "'Glasgow News' Broken Men Fund."

An outbreak of fire at the works of James Ross & Co., manufacturing chemists, Maryhill, on March 14, resulted

in damage estimated at 1,000l.

Within thirty-six hours of posting an order to a Glasgow wholesale house, a chemist one hundred miles away has received his parcel by goods train. Can Edinburgh beat this?

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Chemists' Apprentices.—A meeting of chemists' apprentices was held in the Y.M.C.A. Rooms, Long Street, Cape Town, on February 12, for the purpose of forming an association. Mr. Fryde, on being voted to the chair, outlined the objects of the meeting. After a lengthy discussion, it was decided to form an association as a section of the Chemists' Employés' Association. A temporary committee was elected, consisting of the following: Messrs. Fryde, Harris, Sperber, and Westermann.

Chemists' Assistants' Demands.—At a well-attended meeting of chemists' assistants, held in Johannesburg on February 11, it was decided to go forward for a minimum wage of 45l, per month for all qualified assistants and a 25 per cent, increase all round for assistants in wholesale stores. A scale of wages was drawn up for apprentices, improvers, and unqualified assistants. Correspondence was read between the Transvaal Shop Assistants' Union (of whom the Chemists' Assistants form a section) and the Pharmaceutical Society, wherein the principle of a Joint Board between the two bodies was agreed upon, and the assistants selected their five representatives, the Pharmaceutical Society having selected theirs a week or

two previously.

CHEMISTS' ASSISTANTS' UNION WANTED .- A meeting of wholesale and retail chemists' assistants was held in the rooms of the Pharmaceutical Society, S.A. Mutual Buildings, Cape Town, on January 27, to discuss the question of the formation of a union to protect their interests. Mr. A. H. Wragg, who presided over a good attendance, emphasised that it was not a movement directed against employers per se, but to form a strong organisation which would watch over their interests and ensure to them a scale of remuneration which would enable them to get a decent living. As they were aware, the cost of living had gone up 15 per cent. during the last three months, and it was imperative that they must get higher salaries if they were to meet this increased cost. He felt that if they approached their firms on the matter they would at once be told that their profits would not allow of an increase. They all knew that, whatever might be said to the contrary, chemists were not at present making excessive profits, and there was no other way out of it but to put the prices up to the public. The speaker went on to refer to undercutting on the part of certain firms, and in this connection said there should be a round-table conference to arrive at an arrangement to prevent this sort of thing and secure uniformity of prices. Mr. Hall explained the lines on which the Commercial Employés' Union was being carried on. He was glad to see so many present there, because when they started their organisation they had nothing like the same support, and yet they were now very strong. He emphasised the need for getting every member of their profession to join the association if the movement was to become a success. Unanimity was necessary if their representations were to carry any weight with the employers, and he emphasised that if they wanted to secure the benefits they aimed at they must form branches of their organisation throughout the Union. He moved: 'That this meeting decides to form an association for the betterment of the position of chemists of all grades.' Mr. Johnson seconded the resolution. A speaker said that the question that all assistants were not equally qualified had to be borne in mind. Would it therefore be feasible to fix a minimum wage? Mr. Hall said that all they could do was to fix such a scale. Employers as a rule paid higher wages to good men. In reply to a further question, the chairman said that the question of working hours would also form part of the activities of the proposed association. The resolution to form an association was unanimously agreed to. It was resolved that a provisional committee, consisting of Messrs. Hall, Wragg, Scaife, Fryde, Sawkins, Williamson, and Young, be appointed to draw up a constitution.

The Profiteering Act.

Wotes.

COMMITTEES' LIGHT DUTIES.

Several of the London local Profiteering Committees are reported as having no cases to deal with at their mid-March sittings. These included Acton, Fulham, Holborn, Marylebone, and St. Pancras. Some of the Committees are meeting only once a month.

COMMITTEES SUSPEND SITTINGS.

The Dundee Profiteering Committee decided, on March 16, to suspend its sittings "till the Government takes steps to deal with manufacturers and wholesale traders"

The Westminster Profiteering Committee has decided to suspend its sittings. In the course of a Press interview given on March 1/, the chairman remarked that the ultimate effect of the Profiteering Act was that it gave legal sanction to high prices.

Complaints.

CARSHALTON.—At the sitting of the Profiteering Committee on March 11, a compaint was heard concerning the charge for dispensing a prescription, the respondents being C. & D. A. Briggs, chemists, The Parade. The complainant, Mrs. Kimber, "Clovelly," Carshalton Road, said that on February 24 she sent a prescription to be made up by the respondents. When she sent her son for the medicine she gave him a shilling; she had previously had the same prescription made up for 8d. or 10d. When her son tendered the shilling it was refused, and he was informed that the price was 3s. 6d. Another chemist was subsequently asked what he would charge for making up the prescription, and he said it would be 1s. 6d. Mrs. Kimber went to see Mrs. Briggs, chemist and druggist, who repeated that the price was 3s. 6d. She (complainant) demanded a receipt, and intimated her intention of reporting the matter to the Profiteering Committee, whereupon Mrs. Briggs lowered the price to 3s., which was paid. In reply to questions, Mrs. Kimber stated that she had the prescription made up about twelve months ago (elsewhere) for 1s., and previously to that, also, for 1s. Mrs. Briggs admitted that the prescription produced was the one she had made up. The prices of everything had gone up. They had gone down lately, but some of the drugs used in the prescription were purchased before the fall. She produced a letter from the secretary of the Surrey County Pharmacists' Association, in which he said that 3s, was a fair price for the prescription, taking the standard prices of to-day. He enclosed a printed schedule, showing that the cost of the ingredients for the quantity supplied was 2s. 4d., leaving 8d. for the dispensing. Mrs. Briggs said that schedule was based on to-day's prices, but she actually paid double for one of the ingredients—creosote. She considered that the 3s. 6d. asked in the first instance was a reasonable price. In reply to a member, Mrs. Briggs said she reduced the price from 3s. 6d. to 3s. because she knew Mrs. Kimber, and did not want to have all that bother; besides that, she knew the price of creosote had been reduced. The Committee came to the conclusion, on the evidence preferred, that there had been no unreasonable profit, but that Mr. and Mrs. Kimber were justified in bringing the

Chiswick.—At the sitting of the Profiteering Committee on March 17, a complaint was heard concerning a charge of 1s. 6d. for a box of Dun's castor-oil capsules, the respondent being Mr. W. W. Harrison, chemist and druggist, 20 Walpole Gardens. The complainant stated that when the capsules were taken home it was noticed that there was a label on the box bearing the figures "10½d." The respondent did not appear, but wrote explaining that the capsules cost 10½d. a box. There were twenty-seven capsules in the box purchased by the complainant, and the question for the Committee to consider was whether the sale of these capsules at the price stated was profiteering. The capsules were taken over

with the business when it was purchased in July 1918. The Committee ordered a refund of 2d., and recommended a prosecution.

Hyde, Cheshire.—At a recent sitting of the Profiteering Committee, Boots, Ltd., were the respondents in a case in which 5s. was alleged to have been charged for a pint bottler of cod-liver oil, the pre-war price being given as 2s. 6d. Mr. E. S. Waring, chemist and druggist, a director of Boots Pure Drug Co., Ltd., was present on behalf of the respondents. The complainant failing to appear when the case was called, the complaint was dismissed. Mr. Waring then left, just before the complainant arrived. The Committee declined to reopen the case.

Kensington.—At the sitting of the Profiteering Committee on March 15, a complaint was considered regarding a charge of $7\frac{1}{2}d$. per oz. for "second quality" senna pods, the price for "first quality" senna pods at the same shop being, it was alleged, $10\frac{1}{2}d$. The complainant, in a letter, stated that she could obtain senna pods from Boots, Ltd., for 3d. per oz. The clerk said that particulars of the complaint had been forwarded to the proprietor of the shop, who had replied enclosing a sample of senna pods. It was found, on inquiry, that the price at other shops was $7\frac{1}{2}d$. per oz., and this was also the price given in Philip's "Standard" Retail Price List. Samples of the pods had been submitted to the secretary of the Western Pharmacists' Association, who sent a letter reporting that the $7\frac{1}{2}d$. per oz. quality was superior to the cheaper quality. It was decided to summon the parties to a hearing.

LAMBETH.—At a recent sitting of the Profiteering Committee, the hearing of a complaint against Mr. F. J. Williams, 31 Robsart Street, S.W. 9, concerning a charge-for some Hobson's Choice corn-plasters (C. & D., March 6, p. 71) was concluded. The complainant stated that she sent respondent a postal order for 2s., and received from him a packet containing twenty-four pieces of corn-plaster, which, when placed together, made six complete plasters. The respondent, giving evidence, stated that he had kept the postal-order sent him by complainant with the object of giving it to her father-in-law the first time he saw him. The Committee ordered a refund of 1s. 3d., and directed a prosecution.

Marylebone.—At the sitting of the Profiteering Committee on March 16, S. F. Goss, Ltd., chemists, 460 Oxford Street, W. 1, were the respondents in a complaint of alleged profiteering in a bottle of Rami's Syrup, the price charged being 5s. 6d. The complainant's husband attended the sitting, and stated in evidence that the bottle was labelled "2s. 9d.," and that he had since ascertained that the price should have been 5s. Mr. Francis Arnold, general manager to Messrs. Goss, produced an invoice showing that they had paid 4s. 8d. a bottle for the preparation. The complaint was dismissed.

Tisbury.—At a recent sitting of the Profiteering Com-

TISBURY.—At a recent sitting of the Profiteering Committee, Mr. Daniel Lewis, chemist and druggist, was the respondent in a complaint of profiteering in Erasmic bathsoap, the price charged being 1s. The Committee decided to submit the facts of the case to the Board of Trade, and to adjourn the hearing until the Board has replied.

WILLESDEN.—At the sitting of the Profiteering Committee on March 13, W. M. Bell & Co., chemists, 2 Malvern Road, N.W. 6, were the respondents in a compiant of charging at the rate of 3s. per oz. for essence of peppermint, the ruling price being 2s. 6d. The chairman asked the representative of the firm if he agreed that the prices as quoted in the London Chemists' Retail Price List were fair and proper, and the reply was in the affirmative. The chairman then produced the list in question, showing that the price for essence of peppermint was 2s. 6d. per oz. The respondents' representative produced the latest list, giving the price as 2s. 10d. The Chairman: But you have the March list, and you sold this article in February, when the price was 2s. 6d. at the outside. The chairman read a report showing that the cost of the ingredients was 1s. 1½d. per oz. The respondents' representative suggested that a good deal of labour was involved in the manufacture, and must be taken into consideration. A member of the Committee said that more than ½ oz. would be made up at one time. The firm was ordered to refund 3d., and proceedings are to be taken.

Legal Reports.

monses by the Pharmaceutical Society of Ireland against a number of Belfast druggists came before the magistrates at the Police Court on March 16, and were finally disposed of (C. & D., February 21, p. 53). The defendants were Boyle's Medical Hall, 210 Broadway, Falls Road; James Guthrie, R.D., 271 York Street; and Joseph Unsworth, R.D., Cliftonville Road. When the cases were called, Mr. John Graham, who appeared on behalf of the Pharmaceutical Society of Ireland, reminded their Worships that they had been adjourned from that day month. As the defendants had approached the Society with a view to getting them withdrawn, the Council of the Pharmaceutical Society had met last week, and decided that if the defendants apologised for what had taken place, and promised it would not occur again, and also paid all expenses, they would withdraw the charges. The defendants had apologised and promised not to commit the offences again, and had paid to him all the expenses. He therefore applied for liberty to withdraw the summonses. The magistrates agreed, and the summonses, nine in all, were accordingly withdrawn without evidence being gone into.

Acetic-acid Damage,—In the City of London Court, on March 11, before Assistant Judge Jackson, Thomas H. Mallagh, trading as Mallagh & Co., 19 St. Dunstan's Hill, sued Mr. Keys, 27 Merrick Square, to recover 6l. 6s. 7d., the value of a carboy of acetic acid, which was supplied to him from the plaintiff's warehouse at 189 Great Dover Street. Mr. Harry Strouts, who appeared for the plaintiff, said on the previous occasion when the defendant bought a carboy of acetic acid from the plaintiffs he took it away in his own truck. With regard to the acetic acid now in dispute. defendant, being short-handed, asked the plaintiffs whether he might borrow a truck and get the plaintiffs whether he might borrow a truck and get the plaintiffs' assistant warehouseman to assist him to take it away. This was done, and afterwards the defendant shifted the carboy and in putting it against a wall he broke it and the carboy burst. Then the defendant declined to pay for the goods, and said the carboy must have been cracked. The goods left the plaintiffs' warehouse in a proper condition, and the carboy eould not have been cracked. Samuel Smith, plaintiffs' head warehouseman, said the detendant came to him after the delivery looking very white, and said that the carboy had "exploded" in his yard. Defendant assured the Court that the plaintiffs asked him to buy the acid, and he told the plaintiffs' man that they would have to deliver it. Nothing was said about it being ex-warehouse, and plaintiffs' lad asked him to give him a hand. When they got into the yard, as soon as they put the carboy down it went off in the presence of both of them. The glass broke and the acetic acid went down the drain in an instant. There was no truth in the suggestion that he moved the carboy himself, nor did he bang it against the wall. The Assistant Judge said he must find for the plaintiff. There was a good deal of discrepancy in the evidence as to whether delivery was to be ex-warehouse. He had no evidence that there was anything the matter with the carboy

Delay in Transit.—Before Judge Cluer, in the Shoreditch County Court, on March 12, M. & L. Davis, Ltd., 155 Kingsland Road, N., tooth-brush manufacturers, sued the Great Northern Railway Company to recover 76l. 13s. 6d., the value of a consignment of tooth-brushes which were lost for two months in transit, and refused as too late by the consignee. A sum of 45l. had been paid into Court in full settlement. Mr. Bickmore appeared as counsel for the plaintiff, and Mr. W. A. Jowett was counsel for the defence. It appeared that the plaintiffs sold in November, for forward delivery in February or March, 15 gross of tooth-brushes at 102s. per gross. They arrived at the Victoria Docks in April, and on the 10th were handed to the defendants for de-

livery to plaintiffs' customer, Mr. Gendy, of Sheffield. They should have taken four days, but, as they did not turn up, on May 15 Mr. Gendy wrote saying they would then be too late. On the railway company being applied to, they said they would trace them, and the tooth-brushes were found at Grantham with no address. They were finally offered in June, but refused. Meanwhile, there had been a heavy fall in prices after the Armistice, the price going down to 60s. in April owing to the embargo on their import from Japan being taken off. When the prohibition was re-imposed, the price rallied to 75s. to 81s. in the October. The plaintiffs at once took up the line that they were entitled to their loss of profit, 311. 10s., and subsequently, on hearing that the goods had been sold, claimed for the full amount of the invoice. In cross-examination, plaintiffs' representative denied that the price remained at 60s. all through 1919. In January it was 84s. c.i.f. They wanted delivery by February or March, but would not have refused in April had the brushes been tendered. He agreed that he refused to arrange with the railway company as to the disposal of the brushes until they had paid 31*l*. 10*s*., the loss of profit. Judge Cluer said he could not see that the company could have done anything else than sell them at the best price. Mr. Bickmore remarked that in the October they offered the brushes back, and 7l. 10s. damages, and this was not considered sufficient. For the defence, Mr. Hobday, employed by S. Maw, Son & Sons, Ltd., said that his firm were large buyers of these brushes. The price throughout 1919 was 60s. a gross, and they paid the railway company 60s. a gross for these brushes with an idea of making a profit on them, but had only succeeded in disposing of six dozen up to now. In addressing his Honour, Mr. Jowett contended that the carrier who was in default could only be made to pay the market-price difference, and in this case there was no difference, so they could do nothing more reasonable than pay the full market price into court. Judge Cluer said there would have to be judgment for the defendants. As the defendants had paid into Court at 60s. a gross they had paid enough, and there would be judgment for the defendants, with costs.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

W. M. RAMSAY, LTD. (P.C.).—Capital, 5001. Objects: To take over the business of a chemist and druggist carried on by W. M. Ramsay at 389 New Chester Road, Rock Ferry, Cheshire.

ASEPLENE, Ltd. (P.C.).—Capital, 5,000l. Objects: To acquire the right to manufacture "Aseplene" and its compounds, and to treat or demonstrate the treatment of diseases thereby, etc. R.O.: 33 Bedford Street, Strand, W.C.

Unsworth Medical Hall, Ltd. (P.C.).—Capital, 500%. Objects: To acquire the business of the Unsworth Medical Hall, Belfast. The first directors are: J. Unsworth and J. Wellwood. R.O.: 170 Cliftonville Road, Belfast.

Tuckers, Ltd. (P.C.).—Capital, 1,000l. Objects: To take over the business carried on by Mrs. V. Horn at North Finchley, as "Tucker's Drug Stores." The first directors are: Mrs. V. Horn and J. Horn. R.O.: 13 Park Terrace, North Finchley, London, N.

Aurorascope, Ltd. (P.C.).—Capital, 500l. Objects: To take over the business carried on at Fulwood House, High Holborn, W.C., as the "Aurorascope Co." (not described), and also to carry on the business of dealers in surgical and medical instruments, etc. R.O.: 31 Queen Victoria Street, London, E.C.

C. A. GRAHAME, LTD. (P.C.).—Capital, 2,000l. Objects: To earry on the business of chemists, druggists, drysalters, oil and colour men, etc. The first directors are: C. A. Grahame, 1 William Henry Street, Liverpool, and J. Thompson, 20 Coniston Avenue, Wallasey, Cheshire. R.O.: 1 William Henry Street, Liverpool.

W. P. Naismith & Co., Ltd. (P.C.).—Capital, 30,000l. Objects: To carry on the business of manufacturing chemists, druggists and drysalters, etc. The first directors are: A. W. Yuill, 9 Fotheringay Road, Pollokshields, Glasgow, manufacturing chemist, and W. P. Naismith, Neilshill, Annbank, Ayrshire, manufacturing chemist. R.O.: 74 Campbellfield Street, Glasgow.

John W. Mawson & Co., Ltd. (P.C.).—Capital, 4,0001. Objects: To take over the business of wholesale and export manufacturing chemists and medicinal capsule makers carried on by J. W. Mawson and F. Ritson as "Mawson & Co." The permanent directors are: J. W. Mawson, 100 Canterbury Grove, S.E. 27, and F. Ritson, 56 Romola Road, S.E. 24. R.O.: 142 Norwood Road, Loudon, S.E. 27.

Castle Huskisson, Ltd.—Capital, 15,000/. Objects: To carry on the business of manufacturers of and dealers in tablets, medicines, medical preparations, foodstuffs, drugs, photographic chemicals and preparations, etc. The first directors are: E. Fairweather, Westerfield, Chatsworth Road, Croydon. S. J. Edwards, 15 Sherbrook Gardens, Winchmore Hill, N. (managing director, Castle Tablet Co., Ltd.), and W. G. Moore, 34 High Street, Dartford. R.O.: 106 Barnsbury Road, London, N.

Harkness, Gallacher & Ruff, Ltd. (P.C.).—Capital, 10,000l. Objects: To acquire the business of manufacturing druggists carried on by Harkness, Gallacher & Ruff at Glasgow, together with the assets of the said business, and to carry on the same and the business of wholesale or retail chemical manufacturers, druggists, opticians, grocers, drysalters, oil and colour men, etc. The first directors are: T. Harkness, W. J. Gallacher, G. H. Ruff, all of 3 Leslie Street, Pollokshields, Glasgow; A. F. Wren, 28 Royal Exchange Square, Glasgow, confectioners' agent; J. S. Black, 142 Rosslyn Avenue, Rutherglen, grocer; and A. F. Wren, jun., 28 Royal Exchange Square, Glasgow, confectioners' agent. R.Ö.: 3 Leslie Street, Pollokshields, Glasgow.

EVANS SONS LESCHER & WEBB, LTD.—The eighteenth annual meeting was held at the Law Association Rooms, Cook Street, Liverpool, on March 12, Mr. William P. Evans (chairman of directors) presiding. In moving the adoption of the report and balance sheet (see C. & D., March 6, p. 73) the chairman commented on the various items mentioned in the report, which he said showed a very satisfactory year's trading, due not to a larger margin of profit, but to the very large increase of business. The export trade showed a considerable increase on previous years, and the company are doing a large business in various countries where they were unknown prior to the war. "You may rest assured," said the chairman, "that we shall leave no stone unturned to capture the trade hitherto done by other countries, and to use our best endeavours to increase it considerably." To cope with this extra foreign trade the company have purchased a large block of buildings in Steel Street, Liverpool, adjoining their present premises, and at Runcorn they were now manufacturing many chemicals hitherto made in Germany. Turning to the profit and loss account and balance sheet, it would be seen that the company were able to declare the same dividend as last year, but make the bonus 5 per cent. instead of 21 per cent. They might have declared a larger dividend, but in these still anxious times it was necessary to act with caution. A large amount had therefore been added to reserve, and the carry forward was also an equally substantial figure. Mr. E. A. Webb (deputy chairman) seconded the resolution, which was carried unanimously. Mr. J. M. Tallantyre proposed the re-election of the retiring directors, Messrs. William Paterson Evans, A. B. Evans, and Harold E. Webb. Mr. J. Andrew seconded the motion, and it was unanimously agreed to. Mr. F. H. Gibson then proposed a resolution which increased the directors' fees from 4,000l. to 8,000l. Mr. George Greenwood seconded the resolution, which was agreed to unanimously. The retiring auditors (Chalmers, Wade & Co.) were re-elected on the proposition of Mr. C. F. Malvern, seconded by Mr. Frank Russell.

Westminster Wisdom. By the "C. & D." Parliamentary Representative.

THE EASTER RECESS.

The adjournment for Easter will cover a period of about twelve days, commencing on the Wednesday or Thursday before Good Friday.

WAR EMERGENCY LAWS (CONTINUANCE) BILL.

The second reading of this measure took place in the House of Lords on March 16. Several points in the Bill were discussed, but none of the noble lords mentioned the cocaine and opium regulation which the Bill continues.

THE OPIUM CONVENTION.

As we go to press the Home Secretary is being asked when the Bill prepared to give effect to the pharmacy legislation necessitated by the International Opium Convention and the provisions of Article 295 of the Treaty of Peace will be introduced.

INCOME-TAX REFORM.

The Report of the Royal Commission on Income Tax. which was issued on March 18 recommends that in the future "unearned" income shall be known as "investment" income, and that earned income should be reduced by one-tenth to arrive at the assessable income. From this all allowances would be deducted, such as those for the taxpayer himself, his wife, children, and dependent relatives, so as to arrive at the taxable income. If this does not exceed 2251., half the standard rate of tax [6s. in the pound) is charged; if over 2251., the excess over the first 2251. would be charged at the full standard rate. The personal allowance in the case of a bachelor is 135l. a married man without children 225l., whilst further allowances are made in the case of married persons with children. The taxing of co-operative societies' profit is recommended, and increased penalties for evasions of payment are suggested.

COST OF PROFITEERING ACT.

Mr. Hurd on March 15 asked the President of the Board of Trade what is the number of the staff employed on the Profiteering Act branch of the Board of Trade; what has been the expenditure to date; and what is the estimated expenditure for the coming financial year.

what has been the expenditure to date; and what is the estimated expenditure for the coming financial year. Mr. Bridgeman replied: A staff of forty-eight is employed by the Board of Trade in the administration of the Profiteering Act, in addition to which the Central Committee employ a staff of ninety-two. The expenditure of the Board of Trade to February 29 last was approximately 15,000l. This figure includes the expenses of the Central Committee and 109 Appeal Tribunals, but does not include the cost of housing and lighting of the Profiteering Act Department or the Central Committee, or of stationery and printing. Provision has been made in the Estimates for 1920-21 to be presented to Parliament of 35,000l., on the basis of the duration of the Act at present in force.

COMPLAINTS AGAINST WHOLESALERS.

Mr. Bridgeman stated in the House of Commons on March 15 that 169 complaints have been made to the Central Committee by retail tradesmen alleging profiteering on the part of wholesale tradesmen or manufacturers. One hundred and sixty-one of these cases have been disposed of, the Complaints Committee of the Central Committee having recommended the prosecution of the wholesale trader or manufacturer in two cases, neither of which has yet come before the justices. One hundred and thirty-seven cases have been referred to the Central Committee by local Committees for investigation of the profits made by the wholesaler or manufacturer. Sixtynine of these cases have been disposed of, the Central Committee having recommended the prosecution of the wholesale trader or manufacturer in seven cases, none of

which cases has as yet come before the justices. The administrative staff of the Complaints Standing Committee of the Central Committee is at present three in number.

AERATED-WATER TRADE BOARD.

Mr. Sitch, on March 17, asked the Minister of Labour whether he is aware that the Trade Board for the aërated-water trade in Scotland has proposed to fix minimum rates of wages below those proposed by the Trade Board in the same trade in England and Wales, and that this difference of rates is viewed with apprehension by manufacturers of aërated waters in England and Wales; whether there is any justification either in regard to cost of living or cost of production in Scotland for the difference; and whether he will look into the matter and, if the difference should not appear to be justified, take steps to bring about a co-ordination in the two sets of minimum rates in the interests of English and We'sh manufacturers and Scottish operatives in the aërated-water trade.

Sir Robert Horne replied that he is aware that the two Trade Boards set up for the aërated-water trade have proposed different minimum rates of wages for England and Wales and for Scotland. The proposals are still under the consideration of the respective Boards, and he feels unable to express an opinion until the recommendations of the two Boards are submitted to him in accordance with the procedure prescribed by statute. The whole matter will then receive his careful consideration.

VETERINARY SURGEONS BILL.

The second reading of the Veterinary Surgeons Act (1881) Amendment Bill was taken in the House of Commons on March 11. Sir Watson Cheyne, who moved the reading, referred to the purpose of the Bill as being to raise more money to support the Royal College of Veterinary Surgeons. Clause 4—

Anything which would be an offence under the Veterinary Surgeons Act, if committed by an individual, shall be an offence if committed by a company—

has, he said, aroused the suspicions of the irregular veterinary practitioners, and is the cause of opposition to the Bill. There are a large number of these men, and if three or four form themselves into a veterinary dispensary or hospital they use practically the title veterinary surgeon, but cannot be touched because the original charter refers only to "person" and not "persons." There are also unqualified men acting under veterinary surgeons in what is practically an independent practice. These men are carrying on a fraud. Brigadier-General Colvin, moving the rejection of the Bill, said that unregistered prac-titioners object to Clause 3, which gives the College power to enforce a by-law rendering it penal for any veterinary surgeon to employ an unregistered practitioner. men had hoped to be admitted into the College after five years' practice, as was done in 1881. It is feared the College may endeavour to repress the unregistered man and throw numbers out of work. Mr. Jodrell, who seconded the rejection, said there is a tendency with the Royal College to word their by-laws so that they exclude large numbers of men who have knowledge of animal diseases and yet are not capable of passing examinations. Sir H. Craik retorted that these men might by their ignorance cause unnecessary suffering to animals. desired to exclude unqualified assistants so long as they were properly supervised by a qualified man. The Bill was committed to a Standing Committee.

NATIONAL HEALTH INSURANCE BILL.

Reference has already been made to the changes proposed by this Bill (C. d D., March 6, p. 78), which are thus stated in the memorandum attached to the Bill.

1. The main object of the Bill is to provide for an increase in the rates of benefits under the National Health Insurance Acts in view of the fall in the value of money. The Bill increases the normal rate of sickness benefit from 10s. to 15s. a week in the case of men, and from 7s. 6d. to 12s. a week in the case of women; the rate of disablement benefit from 5s. to 7s. 6d. a week for both men and women; and the amount of maternity benefit from 30s. to 40s.

2. The Bill retains the fundamental principle of the National Insurance Act of 1911, under which the cost of the benefits is met out of compulsory weekly contributions by workers and their employers together with a grant of a specified proportion from the Exchequer. In order to provide for the increased benefits the joint weekly contribution is to be increased from 7d. to 10d. in the case of men, and from 6d. to 9d. in the case of women, and in each case 2d. of the increase is to be borne by the employer and 1d. by the worker. The proportion of the cost of benefits to be contributed by the State is to be two-ninths in the case of men as at present, and two-ninths (instead of the present one-fourth) in the case of women, with an additional Exchequer contribution towards the cost of women's benefits in the form of an increase in the present Women's Equalisation Fund.

3. In consequence of the present general increase in the cost of medical services the Bill provides for an increased contribution from Insurance funds towards the cost of medical benefit and fixes the total charge upon those funds at 9s. 6d. per insured person per annum for medical benefit, including drugs as well as attendance, and a further sum for this purpose will be provided in the shape of a special grant out of public

funds

4. Sanatorium benefit is no longer to be provided under the scheme of National Health Insurance, except in Ireland.

A White Paper (Cmd. 612. 2d.) has been issued containing the report by the Government Actuary upon the financial provisions of this Bill.

SHOPS (EARLY CLOSING) BILL.

The memorandum attached to this measure states that the Bill proposes to abolish the system of "closing orders instituted by the Shops Act, 1912, and to substitute therefor provisions requiring the closing of all shops at a fixed hour on the lines of the system which has been found during the war to work satisfactorily. The hour proposed as the closing hour is 8 o'clock on Saturday, and 7 on other week-days, except for tobacconists and confectioners, for whom the closing hours will remain 9 and 8 o'clock. Certain exemptions may be granted by the local authorities responsible for enforcing the Act. The existing law as to the weekly half-holiday is not substantially altered, except that the power of exemption by local authorities given by Section 4 (4) of the Act of 1912 is taken away, and exemptions with regard to half-holidays are to be on the same footing as exemp-tions from early closing. Clause 2 of the Bill saves from prohibition all retail trading after the closing hour which is really necessary. In order to avoid hardship upon the small trader, the local authorities are empowered by the Bill not only to allow classes of shops to remain open to a later hour than that fixed by the Bill, but also. where they are of opinion that it is necessary for avoiding the infliction of undue hardship in any particular case, to extend a similar privilege to a particular shopkeeper. Street traders are dealt with by the Bill on exactly the same footing as occupiers of shops, both with respect to restrictions and to exemptions. In order to ensure that local authorities in making orders shall be in touch with the needs of the district, provision is made that before making any orders under the Bill or under the Act, the local authority shall give public notice of any proposed order, and shall institute an Early Closing Committee to inquire into the question. Committee will have the assistance of a small advisory council of persons nominated by organisations representative of the interests of shopkeepers and shop assistants. and the Bill provides that the local authorities shall act upon the decisions of such committees and advisory councils unless the Secretary of State otherwise directs. The Bill is to be construed as one with the Shops Act, 1912. and accordingly the local authorities responsible for enforcement will be the same as those under the Shops Act, 1912, with the single amendment that the London County Council is empowered to delegate its powers and duties under the Shops Act and under the Bill to a metropolitan borough council.

Associations' Winter Session.

Birmingham.—At a meeting of the Birmingham Pharmaceutical Society, held on March 10, Dr. J. Stanley White repeated his interesting lecture on Organo-Therapy and the Manufacture of Serums and Vaccines.

Chesterfield.—The monthly meeting of the Chesterfield Pharmacists' Association was held on March 9, Mr. J. H. Wilbourn (President) in the chair. There was a good attendance to hear Mr. C. H. Twelves give an account of Belgium After the War. The lecture was illustrated by means of a fine display of photographs.

Coventry.—A meeting of the Coventry Pharmacists' Association was held on March 10, Mr. C. H. Welton presiding. It was decided to support the Birmingham Association in its efforts with regard to unprofitable patents, and the secretary was directed to send letters to various manufacturers. Arising out of a letter received from the Pharmaceutical Society it was decided to send a resolution to the Local Associations Executive Committee with regard to the Master Pharmacists' Union. The secretary was instructed to write the Coventry Education Officer to see if arrangements for classes in chemistry, etc., could be arranged. Mr. Chas. Davis, of Leamington (L.A.E. representative), gave a most interesting address on Pharmaceutical Organisation, and mentioned that as pharmacy is now well organised its future is safer than it was a few years ago. He outlined the work of the L.A.E., and eulogised its efforts during the tariff negotiations. Afterwards Mr. Davis replied to several questions, and it was unanimously decided to send the proceeds of the recent whist-drive (21. 5s.) to the Benevolent Fund.

Ealing.—The monthly meeting of the Ealing Pharmacists' Association was held on March 9, the President (Mr. S. C. McKee) in the chair. The secretary read circulars from the Southport Pharmacists' Association and the Pharmaceutical Society with regard to the formation of a trade union for master pharmacists, and it was agreed that a resolution in favour of the proposal be sent to the Local Associations Executive Committee. The Birmingham Pharmaceutical Association circular on unremunerative proprietary articles was next considered, and it was agreed that if chemists had a union proprietors of "patents" who would not allow a fair rate of profit could be better dealt with. It was agreed to set aside the proceeds of the recent successful whist-drive to establish a fund for future social events.

Leeds.—At a meeting of the Leeds Chemists' Association on March 10 (Mr. N. N. Armitage presiding), Councillor A. Mortimer (Harrogate) gave an address on A Constructive Policy for the New Council. Whatever chemists might think of it, and whether for good or ill, said Mr. Mortimer, the craft has altered from a semi-professional one to one which is largely commercial. The speaker then pointed out the difficulties in the way of abolishing dis-pensing by doctors, but he believed that the object which chemists have in view can be obtained by different means, such as providing an efficient Insurance dispensing service. Mr. Mortimer strongly advocated the payment to members of the Pharmaceutical Council of travelling and subsistence expenses. Chemists will then have a right-which they have not now-to complain in case of neglect of meetings and duties. This will require more money, and he urged compulsory membership of every man and woman who uses the qualification for business. If that does not provide sufficient money, the subscription must be increased. Every chemist must be linked up through the local Association, the area Federation, and the Society. The educational training and examinations must include a larger share of commercial subjects, and neglect by a master or mistress to do the right thing by the apprentice should be made an offence. In the public services pharmacy should have proper recognition. Mr. Mortimer asked: Why have multiple-shop representatives on the Local Associations Executive the particular advantage of being co-opted instead of being

subject to election like others? In regard to the recent by-law controversy, Mr. Mortimer resented what he regarded as the methods of a certain section of the Council to get that by-law passed, but at the same time he also resented the way in which chemists were "led on" by the other side in the controversy. He was sorry to think that the great apathy among both masters and assistants will result in the craft coming under a Trade Board instead of an Industrial Council. Chemists should get rid of the snobbish notion that what is called professional pharmacy is the only kind of pharmacy worth cultivating. The election of this year will be the most important one in the history of the Society. Mr. W. Hayes said he fully agreed with Mr. Mortimer on the subject of apprenticeship, and as a result of his own unsatisfactory training as an apprentice he has never employed an apprentice. Compulsory membership of the Society would be the salvation of the craft and of the Society. Mr. J. Pendlebury said if an alteration of company representation on the Local Associations Executive is desired there must be an alteration in the constitution of that body. It is deplorable to hear the stories of apprenticeship in private shops told by many applicants for situations under companies. His own company intended to give their apprentices a thorough training on the commercial side in the rudiments of pharmacy and, during the last year, in laboratory work. The question is: Have they got men who are capable of being raised to a level fit to meet the demand under a raised status of pharmacy. Mr. F. Pilkington Sargeant said the Council are already dealing with many of the matters raised, and he considered that it is at present practically impossible to limit prescribing to the doctors. The Ministry of Health, by natural evolution, with the National Insurance Act as a basis, will gradually bring this about. Compulsory membership of the Society seems very plausible, but they will have more force in going to a Government Department with some 10,000 chemists behind them voluntarily than with even 14,000 who are compelled men. Mr. Sargeant entirely agreed as to the control of the apprentice, and on the place which commercial subjects must have in the training and examinations. Private chemists must not attempt to separate themselves from the com-

Liverpool.-Mr. D. H. Evans (President) occupied the chair at a special meeting of the Liverpool Chemists' Association, held on March 10, to consider the encroachment on retailers' profits as a result of the surcharge. Both branches of the trade were represented. Before passing on to the discussion, Dr. C. Symes paid a tribute to the late Mr. Frederick J. Mackinlay, the oldest member of the association, whose funeral he had that day attended. A letter of sympathy was sent to the Vice-President (Mr. W. H. Clubb), who had suffered from a sharp attack of illuess. A brisk discussion ensued. Instances of overcharges were cited, and a strong feeling was expressed in favour of supporting the resolution of Southport and Wigan pharmacists to constitute a national trade union. Mr. Parry explained that the Pharmaceutical Society was arranging for a friendly test case. Further debate elicited that among the grievances from which pharmacists suffered were (1) charges which could not be passed on to the consumer; (2) the supplying by some manufacturers or wholesalers to herbalists, milliners, and other non-pharmaceutical tradesmen of goods such as toilet preparations for window displays, for which pharmacists had made a market; (3) the sale by hospital dispensaries of boric lint and other medical requisites at prices less than cost; (4) retail transactions by some wholesalers in trusses, chlorodyne, and other goods. The use of the Local Associations Executive Committee as the nucleus of a trade union met with considerable support, but Dr. Charles Symes and Mr. J. H. Robinson thought an alternative form of action preferable. Mr. Harold Barton (Southport) suggested that a resolution should be submitted which would hustle the Pharmaceutical Society with the test case, or that case would drag on indefinitely. Eventually Mr. Harold Wyatt moved: "That this meeting thoroughly supports the action of the Southport and Wigan pharmacists in their efforts to bring about the

formation of a trade union, and urges the Pharmaceutical Society, through the L.A.E., to take steps at once to form a union, and in case a union is not formed during the next three months, the Southport chemists should take steps to form a union." This was passed. Subsequently a motion calling on any offending wholesaler not to sell by retail was also passed. Incidentally Mr. Parry mentioned that "Maws" sold their preparations only to pharmacists. A Wallasey visitor advised Liverpool pharmacists to copy the Wallasey plan of self-supply. The action of Scotland in dropping a test case was ascribed to weariness with the law's delays.

Sheffield. The Sheffield Students' Association held a meeting recently in the Wentworth Café, Mr. Israel Best in the chair, at which Mr. E. Preston, Ph.C., President of the Sheffield Chemical and Pharmaceutical Society, gave a lecture entitled The Qualifying Examination. In showing the necessity for changing the title of the "Minor" to the "Qualifying" examination Mr. Preston told how some time ago a pharmacist was being shown through a military hospital where there was a lady in charge and two orderlies, who were actually pharmacists, while the lady over them was an Apothecaries' Hall assistant. The major was afterwards asked how this came about, and he answered that the orderlies were only "Minor" men, whereas the lady had passed the Apothecaries Hall examination! The speaker then gave a detailed criticism of the changes in the Regulations, and pointed out the requirements of the syllabus. He mentioned in the course of his remarks that during the five years in which he had conducted examinations for the evening classes no student has ever obtained 50 per cent, of the marks awarded for the question on recognition of drugs. From a teacher's point of view, one could almost advocate the insistence of a complete range of crude drugs in any pharmacy to which an apprentice is indentured.—At the monthly meeting of the Sheffield Pharmaceutical and Chemical Society, held on March 10, Mr. E. Preston presiding, the congratulations of the Society were offered to Mr. S. Furnival on his selection as an examiner of the Pharmaceutical Society. It was afterwards decided that until the result of the test case was known, no action should be taken in the formation of a masters' trade union, while it was agreed that a union is necessary. Alderman A. S. Campkin, J.P. (Cambridge), then read a paper entitled *Pharmaceutical Problems Past*, *Present*, and *Pro*spective. He traced the history of pharmacy from the early part of the sixteenth century, indicating the part played by the apothecaries and doctors, up to the present With regard to the new regulations, the speaker said these represent a great advance on the old regime. One question which is causing the Pharmaceutical Council some anxiety is the state of the paper market. The "Pharmaceutical Journal" printing contract is about to run out, and the future cost will be much increased. It now becomes a question whether members are prepared to pay an additional contribution towards the charge, as at present there must be a definite loss. It was pointed out that we are on the eve of many great changes, and the question arises, Is the Society to be preserved; and if so, at what cost? We are linking up our associations in all directions. Will the members make individual and collective sacrifices, for it is only by these we can be saved? The Society should be saved because of its individuality and its universality. Mr. Campkin also dealt with Parliamentary representation, Industrial Councils or Trade Boards, hours of labour, and territorial representation on the Council.

Tuition in Advertising.—John Morgan Richards & Sons, Ltd., 46/47 Holborn Viaduct, London, E.C. 1, have opened a practical course in modern advertising. The object of the course is to teach the practical side of advertising by correspondence.

STANDARD OF CONDENSED MILK.—The Ministry of Health has appointed an Inter-Departmental Committee to consider a standard composition for condensed milk. Mr. C. J. Bayley, Ministry of Health, Whitehall, London, S.W. 1, is the secretary.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

Devon.—A meeting of the Pharmaceutical Committee was held on March 10, Mr. Taylor presiding. The reports of the Checking Bureau for August and September were approved. Article 10 of the New Regulations was discussed, and instructions were given to representatives appointed to meet members of the Panel Committee on the subject. Estimates of expenditure for the year were passed.

Halifax.—At a recent meeting of the Insurance Committee, an application was made by a woman for permission to make her own arrangements for medical benefit with a medical herbalist. The sub-committee refused the application, and the woman then desired to appear before the whole committee. This request was also refused.

SCOTLAND.

Stirlingshire.—At a recent meeting of the Insurance Committee an abstract of the accounts for the year ended December 31 was submitted. Payments under the Drug Fund amounted to 2,659l. 4s. 4d., of which 249l. 8s. 1d. represented chemists' bonus for 1917, 530l. 14s. sums due for 1918, 1,362l. 1s. 4d. payments for 1919, and 419l. doctors' dispensing-fees for 1919. The statement was approved.

Medical Records.

A Committee of Inquiry has been appointed by the Ministry of Health to consider and advise as to the form of medical record to be prescribed under the conditions of service for medical practitioners contained in the new Medical Benefit Regulations, having due regard to the clinical purposes (including the remedial value to the patient of maintaining a suitable record of his case), as well as to the administrative and the statistical purposes which such records may be adapted to serve. The committee consists of the following: Sir Humphrey Davy Rolleston (chairman), Emeritus Physician, St. George's Hospital), President Royal Society of Medicine; Mr. H. B. Bracken-President Royal Society of Medicine; Mr. H. B. Brackenbury, M.R.C.S., Chairman Insurance Acts Committee; Dr. J. Brownlee, Director of Statistics, Medical Research Committee; Mr. H. G. Dain, M.B., Chairman Birmingham Insurance Committee; Mr. J. R. Drever, M.B., Scottish Medical Secretary, British Medical Association; Dr. J. Cranford Dunlop, Superintendent of Statistics, General Register House, Edinburgh; Mr. C. E. S. Flemming, M.R.C.S., member Wiltshire Insurance Committee; Mr. A. Fulton, M.B., Vice-Chairman Nottingham Insurance Committee; Mr. M. Greenwood, M.R.C.S., Medical Officer (Medical Statistics). Ministry of Health: Mr. R. W. (Medical Statistics), Ministry of Health; Mr. R. W. Harris, Assistant Secretary, Ministry of Health; Dr. H. W. Kaye, Director of Medical Services, Ministry of Pensions; Dr. J. C. McVa'l, Scottish Board of Health; Dr. H. Meredith Richards, Welsh Board of Health; Dr. T. H. C. Stevenson, Superintendent of Statistics, General Register Office; Mr. S. P. Vivian, Deputy Registrar-General; and Mr. J. Smith Whitaker, M.R.C.S., Senior Medical Officer, Ministry of Health. The joint secretaries are Dr. G. F. McCleary and Mr. A. E. Joll, of the Ministry of Health.

Tests of the phosphate beds of Derbyshire are being made. The area involved is ten miles in extent, and analysis gives from 50 to 55 per cent. of phosphates.

The pre-war demand for novocain in the United States was under 500 lb. During the war the consumption grew to approximately 2,000 lb., and three licences for its manufacture were granted. Now, however, the war demand has already fallen to about half. Nevertheless, the American Chemical Foundation has licensed four additional manufacturers to enter this constricted field.—"'Drug and Chemical Markets."

Elemi.

ELEMI is a drug very little used in modern pharmacy, being chiefly employed in the form of a stimulating ointment in naval surgery, and finding a place for that purpose in the medicine-chests kept on board ships, foreign as well as English. It has, however, a much wider employment in the manufacture of printing-ink, in which its viscosity and adhesiveness and honey-like consistence are of considerable advantage. It is of use also in felting and varnish-making and plasters. In the "Scientific American" attention is directed to the elemi of Porto Rico, derived from Dacryodes hexandra, Griseb., and known in that island under the name of Tabanuco. This tree is the best timber-tree of the island, the trunk attaining a height of 50 feet to the first branch, and a diameter of 5 feet near the base. When the smooth bark is tapped by V-like incisions formed by two oblique strokes of the hatchet, the oleoresinous juice flows out and is collected in vessels when it is to be used for medicinal purposes, being employed in native practice as a stimulant ointment for indolent ulcers. It is also used for torches and as incense. For torches the juice is allowed to run down a central stick and formed into a cylinder and covered with the leaf of the royal palm. As the volatile oil evaporates a solid candle or torch is For incense also the oleoresin is allowed to solidify. But the tree is not confined to Porto Rico, as it occurs in several of the lesser Antilles Islands and in Costa Rica, where it is also known by the same name, Tabanuco.

In Dominica it is known as the Gommier or Gommier rouge, and is believed to be the source of the elemi of that island. In St. Lucia it is called the Gommier à Canot. But the word Gommier may almost be taken as synonymous with elemi, since the various trees called by that name yield an oleoresin having most of the properties of elemi, though differing somewhat in odour from the Manila elemi of the Philippines, which was formerly official in various Pharmacopæias. Thus the Gommier of the Windward Islands is Bursera gummifera, Linn., known in Jamaica as the birch-tree, and in St. Vincent as the turpentine-tree. A second Gommier in St. Lucia is the Protium Guianense, March, which is distinguished as the Gommier à l'encens. It yields also the encens of Cayenne and the Tacamahaca of Venezuela. All these trees belong to the same natural order Burseracea, to which also the frankincense-tree of Somaliland belongs. There has been much confusion regarding the botanical names of the trees yielding the different kind of elemi, or oleoresins that have been imported into Europe from time to time under these names. Manila elemi was for many years attributed to Canarium commune, and it is only since the American occupation of the Philippine Islands that it has been shown to be the product of Canarium Luzonicum, Miq., and partly of Canarium villosum, Benth. and Hook. f. It may be regarded as probable, however, that African elemi from Angola is yielded by Canarium edule, Hook. f., and that of Central Africa, Uganda, and Southern Nigeria by Canarium Schweinfurthii, Engl.; Mexican elemi by Amyris Plumicri; British Guiana elemi by Protium Guianense, March, and P. heptaphyllum, March; Brazilian elemi by Protium Icigriha March; and Mauritius elemi elemi by Protium Icicariba, March; and Mauritius elemi by Canarium Mauritianum, Blum. It is therefore evident that various oleoresins more or less resembling Manila elemi occur in tropical countries in various parts of the globe, and are possibly capable of commercial use. At present few of them, except the Manila elemi and the Gommier à l'encens of the West Indies, are collected in a clean condition, and most of them are not even purified by melting and straining.

The essential oils of these oleoresins have in a few cases been examined and some of their constituents determined. Thus in Manila elemi and that of Southern Nigeria and of Uganda the odour of phellandrene is prominent. Limonene is also present in some varieties, and in one terpinene and terpinolene. But the possible uses of these oils in varnish-making and in perfuming soap have yet to be worked out.

Personalities.

Mr. J. H. Taylor, chemist and druggist, St. Anne's-on-the-Sea, has been returned unopposed as a West ward representative on the St. Anne's urban district council.

Mr. William P. Evans, chairman of Evans Sons Lescher & Webb, Ltd., Liverpool and London, has arranged to pay a visit to the United States in May, accompanied by Mrs. Evans.

COUNCILLOR J. U. THORNTON, New Chester, Sale, a director of the Iron Ox Remedy Co., Ltd., 10 Lincoln's Inn Fields, London, W.C. 2, was on March 10 appointed director of ceremonies of Prince Leopold Lodge, 1,588.

Among the nominations for election to the Council of the Pharmaceutical Society are those of Mr. A. R. Keith, Mr. E. A. Atkins, Mr. H. Antcliffe, Mr. E. S. Waring, Mr. Percy Sparks, and Mr. D. N. Fullerton. The "acid-test" of renunciation of the policy of the "unjust by-law" has yet to be applied to several of these candidates.

Mr. O. F. C. Bromfield, who has acted as assistant secretary of the British Chemical Trades Association for some time past, has been appointed as whole-time paid secretary. He has no interest in any individual firm. Mr. S. J. C. Mason, who was honorary secretary from the inception of the Association, has resigned that office, and has been elected a member of the general committee.

Captain Victor Robinson, M.C., a director of Robinson & Sons, Ltd., Chesterfield, has been appointed a magistrate for the borough. Captain Robinson had a distinguished career in France during the war, and for some time was dieutenant-colonel of his battalion. He was on active service from 1914 till after the conclusion of the armistice, and holds the Military Cross with two bars.

Mr. Thomas Matthews, retired chemist, Galen Lodge, Ross, Herefordshire, is a candidate for re-election to the Ross urban district council, of which he has been a member for thirty years. Mr. Matthews was apprenticed to Cary, Cocks & Roper, Ross, fifty-four years ago, and has read The Chemist and Draggist almost from its commencement. He was in business in the same shop for forty years.

Organising the Drug-trade.

Drug Union Meetings.

A MEETING of the London Retail Branch, Amalgamated Society of Pharmacists, Drug and Chemical Workers, was held on March 9. The draft constitution of the new Society to be formed by the proposed amalgamation with the National Association of Chemists' Assistants was approved. A circular letter was read from the treasurer of the "Galen House" Club, giving outlines of a project which is to provide assistants and employés with a central building as social headquarters. It is proposed to convene a special meeting to consider and adopt a small weekly levy in the London district for propaganda purposes. Mr. Gillian, national organiser, afterwards gave a short address on Pharmaceutical Economic Conditions.

The Amalgamated Society of Pharmacists, Drug and Chemical Workers held the annual general meeting on March 14, Mr. Herbert Skinner, Ph.C. (President), in the chair. Delegates from branches throughout Scotland, England and Wales to the number of over fifty attended, together with six representatives from the National Association of Chemists' Assistants. The President, in his address, reviewed the progress of the Union, and welcomed the representatives from the National Association of Chemists' Assistants. He was convinced that so far as the conference was concerned they were agreed that amalgamation between the two bodies should immediately take place. A resolution was afterwards carried to that effect. Addresses from Messrs. Fullerton, Liversley, and others from the National Association of Chemists' Assistants followed.

Birth.

ELLIS.—At 10 Albert Road, Ilford, on March 2, Winifred (née Knight), the wife of William E. J. Ellis, chemist and druggist (trading as Newton Wright), the Rubie Laboratory, of a son (Robert Martin Newton).

Marriages.

BOTHAMS—BERRIMAN.—At St. Paul's Church, Southwark, London, S.E., on March 15, by the Rev. H. G. Browning, Arnold Frank, eldest son of the late Mr. Frank John Bothams, manufacturing chemist, 72 Webber Street, S.E., to Annie Wilhelmina Berriman.

Nicholls-Brearley.-At St. Andrew's Church, crington, on March 9, by the Rev. James Dodd, William Montford Nicholls, chemist and druggist. The Rexall Pharmacy, Earby, to Edwina Brearley. Accrington.

Deaths.

Banes.—At 4 York Road, West Norwood, London, S.E. 27, recently, Mr. Edward Banes, chemist and druggist, aged ninety. Mr. Banes was at one time in business at Old Brompton, Chatham. He was high constable of Gillingham—an office previously held by his father and his grandfather—in 1871-73. The funeral took place at Grange Road Cemetery, Gillingham, on March 12.

DOCKRELL.—At 9 Cayendish Square, London, W. 1, on March 15, Mr. Benjamin Morgan Dockrell, M.A., M.B., B.Ch., aged sixty. Dr. Dockrell was President of the London Dermatological Society in 1912, and was the author

of several monographs on diseases of the skin.

FALKNER.—At St. George's Hospital, London, S.W. 1, on March 8, Mr. Sandbrook Falkner, M.R.C.S., L.R.C.P., chemist and druggist, "The Hermitage," Fulham Palace Road, S.W. 6, aged forty-five. Dr. Falkner, who was a native of Douglas, Isle of Man. passed the Qualifying examination of the Pharmaceutical Society in 1896. After a few years spent in partnership in a Holborn business he purchased the pharmacy of the late Mr. Richardson, 448 Kingsland Road, E. 8, and then studied for the medical profession, passing his examinations in 1910. Dr. Falkner was much esteemed for his genial and kindly disposition, and made many friends in both his spheres of life. He was police surgeon for North Fulham, and during the war examined many recruits for the Army. While operating on February 10 Dr. Falkner pricked his thumb, and two days later he decided to go to St. George's Hospital. For a time he made some progress, but a relapse set in and he died of septicæmia following cellulitis. Dr. Falkner married in 1901; his wife predeceased him, and he leaves a son and a daughter. The funeral took place on March 11 at Fulham Cemetery, North Sheen, after an impressive service at St. Clement's Church, Fulham.

GLOVER.—At 219 Brockley Road, Brockley, London, S.E., on March 4, Mr. Henry Glover, senior partner of Charles & Fox, chemical merchants, 3 Mincing Lane,

E.C., aged eighty-one.

GRIMWADE.—At Queen's Hotel, Upper Norwood, London, S.E., on March 15, Mr. Edward William Grim-wade, J.P., late of Croham House, South Croydon, eldest and last survivor of the seventeen children of the late Mr. Edward Grimwade, J.P., Norton House, Ipswich, aged eighty-three. The late Mr. Grimwade was senior partner of Grimwade, Ridley & Co., Australian merchants and agents, St. John's House, Minories, London, E., which business was established by his father, Edward Grimwade, about 1843, who had previously been a retail chemist in business, first at Harleston, in Norfolk, and there at Transich, where he issined Mr. Bidley in his and then at Ipswich, where he joined Mr. Ridley in his wholesale business, the firm in a few years becoming known as Grimwade, Ridley & Co. This firm is quite

distinct from that of the London firm of Grimwade, Ridley & Co. His son, Edward William, whose death is now recorded, was partly apprenticed with his father and partly with Randall's of Southampton. He subsequently partly with Randall's of Southampton. He subsequently entered his father's firm, and travelled for some time for the Ipswich house; but eventually the London business, which chiefly devoted itself to Australasian trade, grew so important that he lived in the Metropolis, in order to exercise full control (which he continued until about 1903), assisted by his two sons, Messrs. E. H. Grimwade and F. W. Grimwade, who will carry on the business as hitherto. Mr. Grimwade took an active part in civic life at Crowdon. He wade took an active part in civic life at Croydon. He contested the General Election of 1892 in the Liberal interest against the Hon. S. Herbert (Conservative), but was not elected. He was a magistrate for the county borough of Croydon and the county of Surrey. He was also chairman of the governors of the Whitgift School, and held quite a number of other offices on public bodies. His younger brother, the Hon. F. S. Grimwade, who was a founder of Felton, Grimwade & Co., Melbourne, died in 1910. Mr. Grimwade leaves a widow, two sons, and a daughter. The funeral took place at Shirley Church, near Croydon, on March 18.

McIntyre.—At Liverpool, recently, Mr. Hugh S. McIntyre, assistant with William Burgess, Ltd., chemists, 64 Whitechapel, aged fifty. Mr. McIntyre served his apprenticeship with C. & J. Montgomery, chemists, Bel-

fact. He leaves a widow and a daughter.

MIDDLETON.—At 36 Bingham Road, Sherwood, Nottingham, on March 5, Mary Jane, widow of the late Mr. Ambrose Middleton, pharmacist, and mother of Mr. H. P. Middleton, chemist and druggist (A. Middleton & Son, chemists, 25 Lister Gate, Nottingham).

MORANT.—At 17 Thurloe Square, London, S.W. 7, on March 13, of bronchial pneumonia, Sir Robert Laurie Morant, K.C.B., aged fifty-six. Sir Robert Morant re-ceived his knighthood in 1907, four years after his appointment as permanent secretary to the Board of Education. He was selected in 1911 as the first chairman of the Commissioners under the National Insurance Act; the absorption of the Insurance Commission into the Ministry of Health last year entailed his transference to the new body as first permanent secretary.

ROZENBAAD.—At 4 Moreton Gardens, South Kensington, on March 14, of pneumonia, Mr. Cornelis Rozenraad, late President of the Federations of Foreign Chambers of Commerce in the United Kingdom.

Sewell.—At Killarney, recently, Mr. John Joseph Sewell, Ph.C. Mr. Sewell passed the Irish Licence examination in 1887, and had been in business in Killarney ever since. He was one of the most esteemed residents of the town, and deep regret is felt in the neighbourhood.

WILLIAMSON.—At the Royal Infirmary, Liverpool, on March 11, Mr. John Stanley Williamson, chemist and druggist, Belmont Road, aged forty-two. Mr. Williamson, who was the son and successor of the late Mr. Nicholas Williamson, chemist and druggist, and the brother of Mr. J. B. Williamson, chemist and druggist, Liscard, Wallasey, had been in business in Liverpool for some years. He was recently removed to hospital for surgical treatment, but coma set in and a proposed operation was abandoned. He leaves a widow.

Business Changes.

MR. H. H. V. GIBSON, chemist and druggist, has opened a business at Stewarton.

Mr. A. COULTHARD, chemist and druggist, Sawston, has acquired the business of the late Mr. T. T. Suckling, chemist and druggist, Linton, Cambridge.

MR. F. ELLIS, chemist and druggist, proprietor of C. Gadd & Son, chemists, Vauxhall, London, S.E., and branches, has taken over the business of the late Mr. S. Ell, chemist and druggist, Dunster.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration. See "The Chemist and Druggist Diary" 1920, p. 308.

(From "The Trade-marks Journal," January 28, 1920.)

"Casson Brand" and device of armour headpiece, etc., on oblong label ("Casson's" and "Casson" disclaimed) for a lacquer for metal (1), and for a wood stain and varnish (1). By the Casson Chemical Co., Ltd., 23 Newton Road, Westbourne Grove, London, W. 2. 397,579/80.

(Associated.)

"Suprose"; for ehemicals (2) and for soaps (50). By T.

Hedley & Co., Ltd., City Road, Neweastle-on-Tyne.
396,094/97. (Associated.)

"STAGOL"; for disinfectants (2). By A. Robertson & Sons, Ltd., Sorobo Road, Oban. 398,094.

"NEO-SEQUARIN BRAND A MEDICATED PREPARATION"; for a hypodermic injection preparation (3). By C. Richter & Co., 59-61 New Oxford Street, London, W.C. 1. 395,648. (Associated.)

Co., 59-61 New Oxford Street, London, W.C. 1. 595,040. (Associated.)

"Walton's Payneeze Powders the Electric Cure for Headache," etc., with device ("Walton's Payneeze" and "Electric" disclaimed); for medicines (3). By T. H. Walton, 2 Upper Road, Batley, Yorks. 396,075.

"Kuramatics Brand Medicinal Preparations"; for rheumatism and sciatica medicines (3). By R. Wolpenden, 63 Barndale Road, Mossley Hill, Liverpool. 396,336.

Device of Egyptian deity against keystone; for medicated soaps, etc., of vegetable origin (3). By the Standard Tablet Co., Ltd., Hove, Sussex. 396,289.

"Orex"; for medicinal chemicals (3). By Menley & James, Ltd., Farringdon Road. London, E.C. 1. 396,559.

"Strength Brand a Medicinal Preparation"; for an internal medicine (3). By Harkness, Beaumont & Co., 6-12 Ballantyne Road, Edinburgh. 397,077.

"Panbiline Brand Pharmaceutical Preparations"; for pharmaceutical preparations (3). By L. J. M. Plantier, Almanay, Ardèche, France. 397,235.

"Eolde"; for medicinal chemicals (3). By Thames Chemical Co., 149a Junction Road, London, N. 19. 397,325.

"County Bloom": for medicated wine (3), By T. McMullen

397,325.

"GOLDEN BLOOM"; for medicated wine (3). By T. McMullen & Co., 42 Victoria Street, Belfast. 397,398. ciated.)

& Co., 42 Victoria Street, Belfast. 397,398. (Associated.)

"Frictomal Brand Embrocation"; for medicinal chemicals (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 397,410.

"Almit," with device of sailing boat; for scientific instruments, etc. (8). By Almit Trading Co., 8 St. Aubyns, Hove. 397,485.

"Mount Olympus" over picture of same; for food substances (42). By British & Benington's, Ltd., 118 Southwark Street, London, S.E. 1. 394,096.

"Ovosan"; for food substances (42). By Cascin, Ltd., Sheepcote Lane, Battersea, S.W. 11. 396,914.

"Snow Mountain"; for cream of tartar substitute. By Mullen, Ltd., 91 Adelphi Street, S.S., Glasgow. 397,234.

"Endvar"; for food substances (42) and for perfumery, etc. (48). By Endwar Co., Ltd., 38a London Bridge, E.C. 4. 397,528/530. (Associated.)

"Zoranda" for bath salts, etc. (48). By Freese & Moon, Ltd., 59 Bermondsey Street, London, S.E. 1. 394,332.

"Crossed Leaves Brand" under device of two leaves; for perfumery, etc. (48). By F. J. Smith, 28 Rylett Road, Shepherds Bush. London, W. 12. 396,927.

"Octopus"; for toilet soap (48). By Gerard Bros., Ltd., New Basford, Nottingham. 397,176. (Associated.)

"Jevonica"; for toilet preparations (48). By H. Jewell,

"JEVONICA"; for toilet preparations (48). By H. Jewell, 57 Above Bar, Southampton. 397,266.

"Nargis"; for perfumery, etc. (48). By Arcco, Ltd., 11 Southampton Row, London, W.C. 1. 397,908. "Tenax"; for brushes (50). By C. H. Leng & Sons, Sherbourne Road, Balsall Heath, Birmingham. 396,420. (Associated.)

(From the "Trade-marks Journal," February 11, 1920.)

"Caséor" and "Caseore"; for chemicals for treating fibrous materials (1). By G. A. Paulin, 51 Avenue Flachat, Asnières, Paris. 397,531/532. (Associated.)

"STANDARD BRITISH PRODUCTS" under device of lions and "With the shift of the same of

Trade Notes.

THERMOMETERS.—Powell's Thermometer Co., 55 Hatton Garden, London, E.C. 1, supply for immediate delivery all kinds of thermometers, including Government-tested

DENTAL CRÈME. The Permol Products Co., Ltd., 73 High Street, Lewisham, London, S.E. 13, call attention to the Permol Dental Crème, which shows a profit to the retailer of $33\frac{1}{3}$ per cent., plus a bonus of one dozen tubes per gross.

ORGANO-THERAPEUTIC PRODUCTS.—Armour & Co., Ltd., Queen's House, Kingsway, London, W.C. 2, have ready a new price-list of the organo-therapeutic preparations which they supply. Some of the prices are given in the company's advertisement in this issue.

JAY MACK'S LEDGER .- Mr. Mack-Ivor, 45 Hightown, Crewc, informs us that he has still left a few sets of his ledgers for chemists' use, at 11s. 3d. The price of the new edition will be double. There are also ready some cash-books (3s. 6d.) and small ledgers (6s. 3d.), without instructions, suitable for repeats.

LUTON STRAW-HAT DYES.—In view of the approach of spring, Whitaker & Co., Colour Works, Kendal, remind spring, Whitaker & Co., Colour Works, the demand for chemists that now is the time when the demand for Luton straw-hat dyes is greatest. The same makers Luton straw-hat dyes is greatest. The same makers supply fabric dyes, household varnishes, and gold paint suitable for household purposes and spring cleaning.

PRICE LIST.—The Alliance Drug and Chemical Co., 34 Leadenhall Street, London, E.C. 3, have issued a new price list, and chemists are invited to write for a copy. In an interesting introduction instructions are given as to export conditions and the supply of spirituous medicines in bond. Other useful information deals with weights and measures and railway rates.

Pearlone is the name of a dental cream which is placed on the market by Jewsbury & Brown, Ardwick Green, Manchester. The cream is packed in enamelled collapsible tubes, which are enclosed in cardboard outers. Pearlone is a white cream exceptionally smooth in texture, and well flavoured. The antiseptic properties of the dentifrice are emphasised in the printed matter supplied.

Surplus Government Stock.—Arthur Berton, Ltd., 15 & 17 Worship Lane, London, E.C. 2, have purchased for cash from the Ministry of Munitions 300,000 lb. surplus stock absorbent cotton-wool, the largest single purchase of cotton-wool for immediate delivery ever made. If the pound packets were placed end to end, the line would be over sixty miles long. The space this quantity occupies is 36,000 cubic feet. This stock enables the company to execute orders without delay.

FLETCHER'S SPIRIT STOCK BOOK .- A third edition of Fletcher's "Spirit Stock Book for Manufacturers of Medicinal Preparations" has been issued, and is obtainable (1s., post free) from Fletcher, Fletcher & Co., Ltd., Vibrona Laboratories, Holloway, London, N. The opportunity has been taken in the new edition to give a table of the equivalent of fluid ounces of 58 o.p. spirit in bulk and proof gallons. The book simplifies the process of claiming rebate of duty on medicinal spirits, and, as we stated on a previous occasion, is of such a size that plenty of room is given for making entries.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. hand suppliers of the undermentioned articles will be appreciated.

H/183. Chlorine Gas Apparatus for the destruction of rats: makers

E/183. Jones' "After Dinner" pills

D/173. "Salome" ringworm
B/113. "Croosol" ointment
B/113. "Croosol" ointment
B/113. "Ecosine" cream rougo
M/165. Walshaw's foot pads
RC/153. "Tarcules"
B/133. "Verus" rat-poison

pills
"Salome" ringwormB/133.

Observations and Reflections.

By Xrayser II.

The Registrar's Report

for 1919 showed an increase of 305 members of the Society, seventy-two of whom are lifeeompounders. Whatever may be the case with these,
the majority of new annual subscribers are young men
who have recently qualified. During the year the number
of student-associates of the Society was increased by
1,731, and I see that both classes were further increased
to a considerable extent last month. How are these new
recruits affected towards the Society, and is there any
organised attempt to enlist them on the side of progress?
Youth is, I suspect, often as naturally inclined to conservatism as to reform, and, remembering the enthusiasm
with which I paid my first half-guinea to Mr. Elias
Bremridge (an enthusiasm too soon, alas! damped), I
should not be surprised to hear that these "young barbarians" (if I may apply Gray's epithet to them), "unconscious of their doom," are supporters of the existing
order. Does the Progressive Club make any special provision for their political education? With them the future
of pharmacy lies, and it is highly desirable that, while
their minds are still "ductile and plastic," they should
receive the right mould.

Master Pharmacists' Association

is not a very happy title for an association such as is contemplated in Lancaster. "Master" is a name of many significances, some of them invidious, some savouring of arrogance if self-chosen, many quite inappropriate. In what sense is it to be understood here? I hope and suppose, as indicating proprietorship only, in which case Pharmacist Proprietors' Association would be preferable. We don't want to emphasise the difference between master and man, and I don't suppose this Association is intended to distinguish between master and pupil. But there is another objection besides that of ambiguity. The question of pharmaceutical titles will crop up again sooner or later, and we shall probably see that of "Pharmaceutical Chemist" granted to all qualified persons. This is aleast the ideal course, and there is a rapidly growing demand for it. When it comes about we shall need a higher distinctive title for those who take the higher qualification, and what so appropriate or consonant with the custom in other professions as "Master in Pharmacy"? It would be a thousand pities to do anything that might bar the way to this desirable end.

Mr. Smalley,

in his address to the East Anglia Federation, weakened the case for federation by saying that a Federation can protect our pharmaceutical interests only, though, to be sure, he included the trade in proprietaries in those interests, which is at least a disputable point. Surely our pharmaceutical interests are our professional interests, which the Society itself is, or ought to be, competent to protect. Does it not exist for that purpose? It is principally our business interests that need protecting by a Federation, those which lie outside of the Society's province, and among these is the profit we ought to have on proprietaries. There are other disputable points in this address. Mr. Smalley advocates a series of Codex preparations put up ready for sale as a substitute for and improvement upon counter-prescribing, but this would clearly be nothing less than the counter-prescribing of stock remedies, a retrograde course rather than other-wise. Nor can I see that any recognition of chemists as dispensers logically rules out dispensing by doctorsnot that this ought not to be ruled, but it must be done, if at all, by direct enactment. We are already recognised as dispensers, but the doctors still dispense. Altogether I fear we are still a little at sea on the subject of federation.

My Last Week's Critics

both fall into an error, similar in effect though somewhat different in kind. Jay Mack admits that his estimate of labour expenses applies only to himself, since nobody else can organise as he can. I suspect that his estimate is more modest than his opinion of his own ability; but let that pass. Mr. Harris also admits in effect that the placing of the whole establishment expenses on the dispensing department applies only to the man who does nothing but dispense. Obviously neither of them "touches the spot." I was not talking of the Napoleons of pharmacy or of the man (whom I have never met) whose business consists entirely of dispensing, but of the average chemist, who, as "Pharmacien" says, finds his labour bill about three times greater than Jay Mack's (that great organiser himself, by the way, lower down in his letter puts this virtually at "Pharmacien's "figure), and who, though he is not actually engaged in more than one department at the same time, does nevertheless run three or four, and ought therefore to divide his overhead expenses among them. My argument, in short, is pertinent to the general situation, and theirs is not.

Mr. Walker's Note

on Hss. is interesting, but the practitioner who used this abbreviation to signify 8 oz. was not only very old-fashioned indeed, but hopelessly wrong. So far as I know, the hemina has never been officially recognised as a medicinal measure since the P.L. of 1618. It does not, if I may trust Culpeper, occur in the edition of 1650, nor can I find any later instance of it in any book I have. Culpeper says of it: "Hemina, which also they call Cotyla, contains nine ounces," and of the Roman measure, bearing the name: "Neither did the Roman Hemina contain altogether seven ounces and a half." I overlooked these references when writing my first note on the subject, but they are in accord with what I said in it. I worder if it is possible that what your correspondents took for Hss. was intended for lb.ss.? Lb. was formerly used for a pint as well as for a pound, and the pint would then be 16 oz.

Wordsworth's Faith

that "every flower enjoys the air it breathes" has been pretty generally ridiculed: Lord Morley (writing, it is true, a good while ago) suggested that this was only Wordsworth's fun, crediting him with a sense of humour which I do not remember that he ever displays elsewhere, but in fact no poet ever spoke more seriously than he does here, where he seems, as poets often have done, to have anticipated the men of science. Samuel Butler, in his controversy with Darwin. attributes to plants not only sensibility, but a measure of intelligence. When free to do so, they choose their own habitat, and, when not free, adapt themselves to their surroundings in a remarkable way; they show, indeed (says Butler), many of the same characteristics as do some of the lower forms of animal life, and it is unphilosophical to draw a hard-and-fast line between the two. Now comes Sir Jagadas Bose, with his cresograph, showing the reaction of a plant to every shock and stimulus, and asserting so close a relation between plant and animal life that many of the problems of the latter may possibly be solved by studying corresponding conditions of vegetable life. His treatment of plants with alcohol and various drugs naturally delights the American Prohibitionists, who have, we are told, issued lurid posters showing the Intoxication of the Carrot, the Death Agonies of the Potato, and other such supposed phenomena. If plants really suffer in this way, is it extravagant to believe that they also enjoy?

Social Status of the Pharmacist.—During the cross-examination, in a recent case, as to the residents of a street in a South Wales town, a witness said: "They are very respectable people. Next door to my sister's house is a widow lady, whose son is a chemist." It was a similar court incident that provoked Carlyle's "gigmanity."

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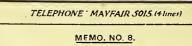
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n announcement of particular interest to you appears in this issue on page xxvii

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Editorial Articles.

German Chemicals via France.

That the importation of fine chemicals from Germany is largely increasing is evident from the perusal of the daily Customs Bill of Entry, and the number of importers is also growing. Competition, therefore, with British makers is becoming keener, as Germany is enabled to take advantage of the low rate of exchange, which since the Berlin coup d'état has again sustained a heavy decline; the quotation for the mark advancing (i.e., falling in value) from about 267 to 360, with a subsequent rally to about 312 to the pound. It has also been apparent for some months past that British makers of fine chemicals are being subjected to unfair competition, as it is common knowledge in market circles that certain pharmaceutical chemicals have been offered from France as of ostensibly French make, whereas they are of German origin and manufacture. The leading French makers of chemicals do not lend themselves to these practices, and have tried to put a stop to them;

but there is a certain class of French dealer who no doubt took advantage of the fact that towards the end of 1919 Germany was seized with a bad attack of dumping, in consequence of which, as was reported at the time, crowds of Frenchmen, Belgians, Swiss, Americans, and Englishmen overran the commercial centres and bought goods for a mere song and sold them to their own countrymen at good prices. Matters have improved since then as regards prices, but the effects are now being felt. Chemicals were also smuggled out of Germany to France viâ Alsace, in violation of the Peace Treaty. Some of these chemicals have found their way to London-e.g., yohimbine hydrochloride, for which there has been a growing demand, apart from its legitimate purpose in veterinary practice, has been offered at very low prices, compared with genuine British make. This must, however, refer to old German stock, as no supplies of yohimbehe bark reached Germany during the war. This competition may therefore be a passing phase until Germany again receives supplies of the bark viâ London or Paris. Metol is another product which is being freely imported from Germany by chemical dealers and offered at cut prices. While the chemical embargoes were in force in this country, France and Switzerland bought freely from Germany, and at one period we were buying on a licence, phenazone, amidopyrin, veronal, resorcin, etc., of German origin, from France, thus paying two profits. This was also a passing phase as the famous Sankey decision put an end-temporarily, it may be-to the embargoes, and the British Government now encourages direct trading with Germany. This fact has not, however, brought about any serious reduction in prices, as German exporters have since been taught to see the folly of this involuntary dumping, and charge the foreigner more, but not sufficient to frighten him away.

The Rise in Quicksilver.

The position of quicksilver has once again become a matter of great interest, in view of the fact that the price has just lately exceeded all previous high records. Some transactions, indeed, were actually put through in the earlier part of this week at 261. 10s. per bottle delivered, less the usual discount. While the two extreme points touched in the past year were 251. and 151. 10s. per bottle respectively, prices within the last six months or so have fluctuated between 151. 10s. and 261. 10s. Such a wide range in values within a six months' period has rarely before been witnessed in the history of the metal. The record of prices so far this year is interesting, as is shown by the following figures:

It will be seen that the current quotation represents an advance of about 2l. 5s. per bottle over that registered at the end of last year, while the rise from the lowest touched in the earlier part of last month amounts to roughly 5l. per bottle. In our occasional editorial articles since the conclusion of the Armistice, in which we have dealt with the prospects and possibilities of the product, the view has been expressed that in consequence of a muchincreased world's consumption, partly incidental to new

uses, the much-enhanced cost of mine-working, etc., and the tendency of the world's production to decrease, the course of prices would continue at a comparatively high level, and there is every reason for adhering to this view for an indefinite period. The fact that the price at one period last year dropped to 15l. 10s. per bottle was largely due to the liquidation of the United States Government surplus while the market on this side happened to be rather excessively supplied from the main European sources. The position since has felt the effect of the steady falling-off in the Transatlantic output, as indicated by the official returns which have so far been published for part of last year. This falling-off is very considerable from the abnormally high returns reached when production was forced during the war period under the United States Government control. Bearing in mind the high prices recorded, this falling away to comparatively low figures, representing not much more than 25,000 bottles per annum, clearly shows that while the output is affected by high costs, the chief reason lies in the fact that many of the smaller mines have become practically exhausted through strenuous working in recent years. It is now pretty certain that domestic consumptive requirements in the United States call for additional supplies from European countries. Some important parcels of Italian quicksilver have, as a matter of fact, already found their way to the United States. Within the last three or four weeks the British market has felt the full effect of the absurdly small quantities which were imported in the first month of this year, although there were fair arrivals in the past month, which came to an almost bare market. The fair surplus which apparently existed at the close of last year was easily taken care of by the considerably increased re-exports. The Board of Trade returns covering the first two months of this year, of which details are given below, with comparisons for the same period last year and the year prior to the war, give an idea of the present scarcity, which has been undoubtedly the main reason for the conspicuous strength of the market:

As shown above, the excess of the imports over the reexports for the first two months of 1913 was 5,330 bottles, compared with only 2,516 bottles for the same period this year. The outgoings for export would doubtless be still larger this year but for the more limited supplies, although fair quantities are understood to have been despatched from Italy direct to the Far East. It is hardly to be expected that the current "record" quotation will be upheld for very long, as it is suggested that fair quantities are on the way from Italy and Spain. The prevailing dearth of supply is presumably chiefly due to the delay in the arranging of freight. There is no doubt that at the inflated prices ruling, the output in Italy and Spain and other Continental sources of production is being stimulated, and that some reaction must ensue at no distant date on more adequate arrivals. In consequence of the steps which are understood to have been taken by the Italian Government to exercise a close control over the Italian mines proper and those which now form part of Italian territory since the Armistice, the marketing of quicksilver from the main Continental sources is becoming more concentred.

Toxic Idiopathies.

THE fact that certain persons exhibit extreme sensitiveness to particular foodstuffs, odours, etc., has long been known, but apart from describing these individual reactions to idiosyncrasy, no explanation for their mechanism had hitherto been forthcoming. Hay fever is also a case in point; in fact, individuals react only to the pollen of certain grasses, although timothy-grass pollen is in Europe the principal exciting agent. It has been already established that this distressing complaint can be cured by the administration of a polien extract, and not only this, but that pollen extract can be used as a diagnostic agent, either by instillation into the eye or by the skin-reaction, to test the patient's sensitiveness to this toxin. At the Royal Society of Medicine, on March 15, Dr. Freeman read a paper on this subject, detailing the results of ten years' investigations conducted under Sir Almroth E. Wright at St. Mary's Hospital. Dr. Freeman explained how it is possible to establish by the application of the ophthalmo-reaction, or by the skin test, a patient's sensitiveness to certain toxins, and described numerous cases of persons who reacted very strongly to the smell of cats or rabbits, or even on partaking of the flesh of these animals, to the smell of horses, of goats, or to cow's milk, etc., and in whom the diagnostic application of an extract prepared from any part of the offending animal produced the usual symptoms. To these symptoms he applied the generic appellation of "toxic idiopathies," and as the individual reaction usually assumes the form of asthmatic attacks, his investigations go far to elucidate the cause, and also the nature, of this baffling affliction, and open up a wide prospect of the successful treatment of numerous conditions which hitherto have resisted all attempts to effect a cure by the means hitherto at our disposal.

Profiteering Act Proceedings.

A decision of the Court of Appeal on March 15, in the case of Wilson v_i the Lancashire and Yorkshire Railway Co., is to be welcomed as likely to put a check to the flood of proceedings under the Profiteering Act which, as our columns so often show, end in nothing but an order to repay a penny or twopence to the person alleged to have been overcharged. As we have pointed out more than once, these petty proceedings serve only to irritate traders, who in many cases offend against the Act simply because of some arithmetical confusion in the preparation of a price-list. As is known, the Act provides that where a person has been found to have overcharged, the seller may be ordered to repay to the purchaser the amount of the overcharge, and the subsection which deals with the point lays down that any sum ordered to be so repaid may be recovered in a magistrate's court as an ordinary civil debt. The Court of Appeal have now laid down that this is the only method by which the seller of the article can be proceeded against for the sum overcharged. The proceedings are not criminal, and no question of any penalty by fine or imprisonment arises in the case. The chief features of these claims for civil debts are that a complaint has to be laid before the magistrates that the sum is due and unpaid; a warrant cannot be issued to apprehend a person who fails to answer such a complaint; and evidence must be given that the person complained of has sufficient means to satisfy the debt. The magistrates may then make an order for the payment, and disobedience to this order may be enforced under the Debtors Act in the same way as an order made by a County Court in a purely civil proceeding. While in complete sympathy with the aims of the Profiteering Act, which has turned out to be a complete failure, we feel convinced that a great number of the paltry charges brought under it against pharmacists and others can only result in discrediting the Act, and for that reason we are glad of the limitation on such cases which is sure to be put by the decision of the Court of Appeal.

Overseas Trade in February.

THE Board of Trade Returns for February are not so favourable as those for the preceding month, even making allowance for the fact that there were three working days less than in January. The British exports declined in value by 20,000,000/., being 85,964,000/., while the reexport trade is three millions less, amounting to 22,604,000/. Imports declined by 13 millions to 170,514,000/. The apparent adverse balance, or excess of imports over exports, now amounts to 62 millions, compared with 52 millions in January. Higher prices account for a large part of the increase in imports, this particularly applying to raw cotton. A moderate increase of 613,000/. is indicated in the imports of chemicals and the like, the value of which amounted to 2,340,000/.; the features in this group were the large imports of sodium nitrate and ground barytes. Unenumerated drugs increased from 384,762/. to 462,000/., and the receipts of quinine declined from 322,984 oz. to 202,700 oz. Cream of tartar imports increased from 1,628 cwt. to 4,084 cwt., and of this amount 1.847 cwt. was re-exported. Last mooth we exported 66,732,500/. worth of manufactured goods, or 27½ millions more than in February a year ago, and almost 34½ millions more than in February a year ago, and almost 34½ millions more than in the pre-war year of 1913. British chemicals and allied products were a modest 858,741/. more, being valued at 2,644,000/. The increase was distributed practically throughout the scheduled items, particularly in soda compounds, the heaviest item, as usual, being saltcake, which finds an enormous outlet among Continental glassmakers. The drug and medicine section yielded 379,306/., which is 57,000/. better than last year, but compared with the normal year of 1913 the rise is 202,172/., apparently showing what a remarkable part the rise in values has played. There was a big decline in our re-exports of chemicals last month, the figures falling to 453,535/. only, against 917,103/. in February a year ago. This was due to an exceptional cause not definitely indicated in the Returns, as in February 1919 the item "all other sorts" of chemicals stands at 684,834/., against only 17,035/.

British Red Cross Society.

This Society, which has done splendid service among soldiers and sailors during the war, is apparently unwilling to adopt its customary peace-time rôle. The Society finds that "it would be a national disaster if the wonderfully complete and efficient organisation which was built up during the war should be allowed to be dissolved." This argument is the same that officials of the special Government Departments for war service employ to justify their continued existence in peace-time. In the case of the British Red Cross Society it was necessary to look round for objects and then to apply for a supplementary charter to cover the new undertakings. It is not generally known, for instance, that the Society now has power "to organise examinations and to issue certificates in respect of such examinations," and our readers will not be long in guessing that dispensers' examinations and certificates are in view. "Co-ordination" of existing hospitals is one of the objects that is to occupy the British Red Cross Society in peace-time, and another is "co-operative buying on analysis" for hospitals. In regard to the latter object it is stated:

The question of supplies alone needed reform. Institutions were now all buying against one another, and consequently forcing prices up. The Red Cross hoped to be in a position before long to buy in bulk at the ship's side at cheap rates, and then distribute the goods throughout the country. Many valuable lessons were learnt during the war as to the actual value of commodities, and all that knowledge would be brought into play in making purchases. Buying must be done scientifically on the analysis basis—to see that proper value was being obtained for the money spent. Many things that now appeared to be cheap were in fact extremely wasteful. Sir Arthur Stanley felt very strongly that what the Red Cross had done during the war it could help to do in peace, and the organisation intended to assist in the reduction of expenses by scientific buying and in increasing the revenue by methods which were being very carefully considered.

While no doubt certain economies could be effected by buying centrally, it is certain that any advantage will be more than neutralised by the distribution from a central depôt. Our information is that at present the pharmacists attached to large hospitals are very keen buyers.

Pharmaceutical Society of Ireland.

Council-meeting.

THE monthly meeting of the Council was held at 67 Lower Mount Street, Dublin, on March 9, Dr. A. J. Barnes, Vice-President of the Society, in the chair; and the following members of the Council were also present: Mr. G. D. Beggs, J.P. (Treasurer), Dr. J. C. McWalter, Dr. J. A. Walsh, Messrs. James Tate, J. Michie, G. A. McLean Lee, Wm. J. Hardy, A. Owen Wells, Charles E. Digges, John Smith, Victor E. Hanna, and D. M. Watson.

The Vice-President stated that the President (Mr. J. E. Conner, J. P.) was anable to attend that meeting, and the

Connor, J.P.) was unable to attend that meeting, and the Registrar (Mr. A. T. Ferrall) read a letter of apology for absence from Mr. H. Lancashire, J.P.

THE BELFAST SUMMONSES.

The Registrar submitted letters in reference to the prosecution of Belfast registered druggists (U. & D.,

February 21, p. 53).

The Vice-President said it might be well for the convenience of those members of the Council who were not or the Law Committee and of those who had been unavoidably absent of late if he gave them very briefly the history of the whole matter up to the present point. About the middle of last November their inspector visited Belfast and some of the surrounding districts as the result, he believed, of complaints received. In due course the inspector furnished them with a report of the test purchases which he had effected. This report was carefully considered by the Law Committee, and it was decided to recommend to the Council that proceedings should be instituted in three cases where breaches of the Pharmacy Act had occurred, subject to the approval of their law adviser. These three cases were the three that came before them that day. Their law adviser did approve and the Council duly ratified, the recommendation of the Law Committee. Summonses were accordingly issued and a date fixed for the hearing. Immediately after the last Council meeting one or two of the Northern members of the Council approached the President and himself with the suggestion that the cases might be withdrawn inasmuch as the evidence had been obtained at a most inopportune time—namely, during the recent assistants' strike. That certainly was an aspect of the matter which had not previously occurred to him, and he suggested that Mr. Ferrall should there and then look up the exact dates. Mr. Ferrall did so, and it was found that the evidence had been obtained—i.e., that the offences had been committed before the assistants' strike commenced. He (the Vice-President) felt at the time, and he thought the President also felt, that their Northern friends were perfectly satisfied then on that point. A few days afterwards, however, the Registrar received a letter from each of the three defendants asking that the cases be withdrawn, making an offer to pay all expenses, and giving an undertaking that the offences would not be These three letters were backed up by a petition written on the official paper of the Ulster Retail Drug-trade Association, and signed by its secretary and also by four members of the Council of the Pharmaceutical Society, praying that the cases be withdrawn on the ground of their having occurred more or less simultaneously with the assistants' strike. A further meeting of the Law Committee was immediately summoned to consider the fresh position, and at that meeting it was decided by a majority to apply for an adjournment of the summonses and to refer the whole matter to the present meeting of the Council for reconsideration. He suggested that Mr. Ferrall should read the communi-

The Registrar then read the following letter from Mr. Francis J. Boyle, R.D., Boyle's Medical Hall, Ltd., Broadway, Belfast:

With reference to the summonses which I have received for Tuesday, 17th inst., in the Belfast Court, for sale of poisons and compounding prescriptions, if the Society can see their way to withdraw these cases I am prepared to pay costs in my case, and will undertake not to offend in any way in future.

Letters in similar terms were read from Mr. James Guthrie, R.D., the Northern Medical Hall, 271 York Street, Belfast; and Mr. J. Unsworth, R.D., Clifton

Medical Hall, Cliftonville Road, Belfast.

The Registrar also read the following communication (dated February 12) from the Ulster Retail Drug-trade

Association:

We understand that certain prosecutions are pending in Belfast against registered druggists for illegal compounding. It is well known that the inspector was in Belfast during the strike—a most unfortunate and inopportune time for the strike—a most unfortunate and inopportune time for such a visit—and great resentment is expressed locally at the licentiates being harassed at such a time. The men affected are members of the local Associations (General and Employers), and have been loyal to them during the strenuous period of the strike, and we feel certain that any public action taken in these circumstances will have grave consequences, both for the local Associations and the Federation, and would ultimately lead to a withdrawal of support from the Pharmaceutical Society itself. Without wishing to condone the illegality, we would strongly urge on the Pharmaceutical Society that the offence should be over-looked on this occasion if the persons affected apologise for the occurrence, pay the incurred costs of the cases, and pledge their word that the offence will not be repeated; and we believe that such a course, if adopted, would prove of more lasting good than a prosecution, which many would look on as a persecution.

This was signed by William Doig, Thomas N. Moffitt, Wm. J. Hardy, Huston Lancashire, and J. C. Culbert (hon. secretary).

The Registrar stated that, in reply to that letter, he

wrote to Mr. Culbert on February 17:

I have to acknowledge receipt of your letter of the 12th inst., which I shall place before the Council on the 9th proxime. In the meantime, please inform me whether your letter is the outcome of a resolution of your Committee, or merely represents the opinions of the signatories. With regard to our inspector's visit, I must emphasise the fact that the evidence against the three defendants was obtained before the strike.

To this letter no reply had been received.

Mr. Watson said the evidence in the cases they were considering was got before the strike, so that this matter was irrelevant. He asked if it is competent to revise the decision of the Council except by notice of motion.

Mr. HARDY said he did not think there was a single Northern member present at the meeting of the Council at which the recommendations of the Law Committee were He thought the Council had taken it upon themselves to prosecute these men at a most inopportune moment. A great deal of annoyance had been given to their members by the Society's inspector at the time of the strike, and all this matter would be brought up in evidence. These men were coming forward every month to join the Society, and if they proceeded with these prosecutions it meant that they would all withdraw from the Society, and it would do the Ulster Retail Drug-trade Association an infinite amount of harm, and they would do the Federation harm also, for he was sure there would be a withdrawal all round. He (Mr. Hardy) saw the way things were going now in Belfast, and he thought these men had done all that they could ask honourable men to do. They had agreed to pay whatever expenses had been incurred by the Society. At their meeting of the Ulster Retail Druggists' Society was present, and he showed him (Mr. Hardy) a copy of a resolution passed at the annual meeting of that body condemning the practice of dispensing by their members. The gist of the resolution was that they condemned the practice and gave it no support in any shape or form. Taking all these things into account and taking all the circumstances into account, he thought they had done more to get rid of druggists dispensing in Belfast by holding prosecutions over the heads of these men for a month than if they had proceeded with them.

Mr. Warson said Mr. Hardy's point was that they should condone these offences in the interests of the Drug Trade Association and the Federation. He (Mr. Watson) did not think anybody would suggest that he was vindictive in any cases of this kind, because he had always tried to hold the balance fairly; but he was greatly surprised at the defence Mr. Hardy put forward and the plea he urged for withdrawing these prosecutions.

Mr. HARDY: I am against improper dispensing. We pharmaccutical chemists are breaking the law every day in some shape or form. There is no use in talking in that strain. I don't condone or excuse the offences, but I say it is a most inopportune moment for going on with the

prosecutions.

Mr. Michie asked if it was not open to the Council to accept these apologies and let the matter rest.

Mr. Watson asked if there was any precedent for the withdrawing of these summonses. There was a resolution of the Council that the prosecutions should take place. What right had they at that meeting to say that the pro-

secutions should not take place?

Dr. McWalter said that when the pharmacists of Belfast were themselves anxious that these prosecutions should not be persisted in, it was not quite seemly for the Council to set up a contrary opinion. If there was illegal compounding by druggists, the Belfast pharmacists were the people mainly concerned; and if the latter were satisfied that the matter might be overlooked in view of the fact that the defendants had promised not to offend again and to pay all the expenses, he thought the Council might very well do what was proposed.

Mr. Watson: The condonation of the offences is my

principal objection. I am sorry to see that the strike is

dragged in. The strike had nothing to do with the matter.

Mr. TATE said he thought that these men were now
being punished for the offences committed. The sword
was hanging over their heads, and they did not know when it would drop. They had apologised to the Council for what they had done; they had admitted their offence, and they had agreed to pay all the expenses. Was it possible for the Council to get out of the difficulty by accepting this offer? A spirit of fraternity had been growing between the two branches of their trade which had been wide apart for some years, and it had taken a great amount of friendly dealing to unite the two branches again into the position they now occupied. From that aspect of the question he felt that if the Council could see their way to modify the situation they would be justified in doing so.

Mr. McLean Lee said the Pharmaceutical Society were not prosecuting in any vindictive spirit, and what they ought to consider was this: Which was the best thing to do for the licentiates in general? They had given an undertaking now that if they were not prosecuted they would not commit the offences again. Would not that be a greater benefit to the licentiates at large than if they were prosecuted from time to time? If they could be depended upon to carry out their undertaking it would be of more value to the licentiates as a body if the Council agreed to their offer. They should not be carried away simply by

the fear of creating a precedent.

The Vice-President said the summonses had been ad-

journed until after that meeting.

Mr. A. Owen Wells said if they gave in to their Northern friends it would be wrecking the Society. They would have people saying that the Belfast men were able to get round them. Once the summonses had been issued

he did not see how they could go back on them.

Mr. Hanna felt that this proposal to withdraw the summonses was quite out of order. An order had been made and must be carried out. To his mind, the cases must go on, and he would vote strongly in favour of their going on. He was greatly surprised that there had been no reply to the Registrar's letter asking for information in reference to the meeting in Belfast. There was no intimation that the memorial had been sent forward by the Belfast Society.

Mr. HARDY: I may say as President of the Ulster Retail Drug-trade Association that they are practically to a man in favour of these prosecutions being withdrawn. I!

can also state that every member of the Council from the North of Ireland, including the President, is in favour of the prosecutions being withdrawn at the present time.
Mr. Watson agreed with Mr. Hanna that the whole

thing was irregular. He did not like irregularity in their

proceedings.

Dr. Walsh considered it was a great pity that no members from the North of Ireland were present at the meeting of the Council when the resolution to proceed with the prosecutions was passed. They had several members from the North of Ireland on the Law Committee, and he thought they had always consulted them in the case of prosecutions from the North; and he quite agreed with Dr. McWalter that it was really more a matter for the North of Ireland members than it was for the others. It did not matter to them how many druggists in Belfast compounded prescriptions. If the qualified pharmacists in Belfast themselves thought that it would be inadvisable to prosecute in these cases it would be ridiculous for them in Dublin to insist that they should be prosecuted. Surely there was some way out of the difficulty. Would the Society come to an end if these prosecutions were withdrawn? Or was there any possibility of the members of the Council being prosecuted for the withdrawal of the resolution passed at the January meeting? If not, he did not see any reason why they should not give in to their Northern friends in this case. In future, if the necessity arose for considering prosecutions in Belfast they would see that the Northern members approved before they went on with them.

Dr. McWalter said they were not condoning the offence when they accepted the promise not to do it again

and to pay the expenses.

After some further discussion a resolution, proposed by Mr. Michie and seconded by Dr. McWalter, was carried by

a majority of the Council in the following form:

That the request of Messrs. F. Boyle, J. Guthrie, and J. Unsworth, registered druggists, asking that the summonses against them be withdrawn be granted, on their undertaking to pay all costs in connection therewith, and tromising not to offend again, and that their letter of apology, with their name, be published.

CHANGE OF ADDRESS.

The Registrar submitted a communication from Mr. J. McBirney notifying a change of his address to the Iveagh Pharmacy, 579 Lisburn Road, Belfast.

PRELIMINARY REGISTRATION.

The following, who submitted certificates from other bodies, were admitted to preliminary registration: Mr. Louis F. Corbett, The Medical Hall, Main Street, Bruff, co. Limerick; Mr. John Gaughran, Magee's Medical Hall, The Magnetic Magne Farrell Street, Kells, co. Meath; Mr. Timothy Stack, The Pharmacy, Abbeyfeale, co. Limerick; Mr. James Shirley Walsh, 30 Westmoreland Street, Dublin; Mr. Michael Whelan, Galway; Mr. Joseph F. Curran, 86 Eliza Street, Belfast; Mr. John A. Richardson, 4 Warrenpoint, Clontarf, Dublin; Mr. Sidney G. Smith, 5 William Street, Tullamore; and Mr. Samuel Black, 7 Princess Street, Lurgan.

TRAVELLING EXPENSES OF COUNCILLORS.

Mr. Beggs (Treasurer) said that at the last meeting they had arranged that they would pay a bill for 1091. for the travelling expenses of the country members, and also the amount due, he took it, up to that day. He proposed:

That a sum not exceeding 40*l*, per annum be allocated towards the expenses of the country members of Council attending the Council-meetings, calculated on third-class

He said the funds of the Society would not admit of more, or even of that, so far as he could see.

Dr. Walsh seconded, and the resolution was passed.

REPORT OF DEATH.

The Registrar submitted a report regarding the death of Mr. Wm. C. Speares, pharmaceutical assistant, Rathdrum, co. Wicklow.

FEE FOR MARKS.

The Vice-President proposed, in accordance with notice of motion:

That a candidate shall pay a fee of two shillings and sixpence on requesting a copy of marks awarded to him.

He said he was paying one of his usual official visits to the examinations there last January, and he noticed Mr. Ferrall very daboriously engaged with his pen filling in particulars of marks that some Preliminary candidates had obtained. He was very much struck by the amount of labour involved, and also by the amount of stationery consumed; and it occurred to him that it would be perfectly legitimate and reasonable that a charge should be made for that service. Further, he did not consider that any candidate would grudge paying for the service. As a matter of fact, Mr. Ferrall told him that quite a good proportion of the candidates offered to pay for these forms, and expressed a great deal of surprise at their being supplied free of charge.

Mr. Beggs seconded the motion, and said he thought very few societies gave away even stationery free nowadays. The printing of these papers and the paper itself cost a considerable amount. He did not think any candidate would consider it a hardship to pay 2s. 6d. for a copy

of his marks.

The motion was carried.

A WARNING NOTICE.

Dr. McWalter proposed, in accordance with notice of motion:

That a warning notice be issued to the effect that no persons are entitled to use the title or description of "Chemist and Druggist" or "Druggist" unless they are registered as such by the Pharmaceutical Society.

He said he had had complaints from country members that various shopkeepers were using those designations; and an idea had gone abroad that they were entitled to use them. That was not so, and it would be a wholesome thing if they issued warning notices to that effect. After a brief discussion, the matter was referred to

the Law Committee.

ELECTIONS.

The following were elected as members: Mr. A. T. McKay, Ph.C., 38 Wexford Street, Dublin; Mr. W. F. Redlow, Ph.C., 41 Hanover Street, Portadown; Miss Mary C. Lancashire, Ph.C., Church Street, Ballymena; and Mr. Samuel Orr, Ph.C., Holywood, co. Down.

and Mr. Samuel Orr, Ph.C., Holywood, co. Down.

The following were elected associate druggists: Mr.
C. C. Moroney, R.D., Scariff, co. Clare; Mr. E. B.
Aplin, R.D., Bridge Street, Ringsend, Dublin; Mr.
Robert Barre, R.D., 118 George Street, Limerick; Mr.
Francis Boyle, R.D., 210 Falls Road, Belfast; Mr. R. A.
Jamison, R.D., Hawthornden, Knock, Belfast; Mr. W. T.
Gordon, R.D., 283A Newtownards Road, Belfast; Mr.
Samuel Nevin, R.D., 245 Woodstock Road, Belfast; and
Mr. W. E. Wilson, R.D., 31 North Street, Belfast.

Festivities.

Great Yarmouth Chemists' Social.

An enjoyable evening was spent at Hill's Restaurant, on March 11, by the Great Yarmouth Pharmaceutical Association. Ladies were present for the first time. An excellent dinner was served, and the remainder of the evening was spent at whist, Mr. P. R. Hill acting as M.C. The prizes were presented by Mrs. Harvey Palmer to the following: Gentlemen—1st, Mr. T. J. Woodcock; 2nd, Mr. P. R. Hill. Ladies—1st, Mrs. T. J. Woodcock; 2nd, Mrs. F. E. Whitfield.

Evans Sons Lescher & Webb's Dinner.

The annual dinner of Evans Sons Lescher & Webb, Ltd., was held on March 12, at the Reform Club, Liverpool, subsequent to the ordinary general meeting of the company. Mr. W. P. Evans, chairman, supported by Mr. E. A. Webb (deputy chairman), presided over a large gathering of members of the London and Liverpool staffs. Several ladies were among the guests, who included Sir A. H. Dixon, Bart., Sir James Hope Simpson, Mr. George Walker (District Bank), and Mr. Godfrey Castle. Sir A. H. Dixon, Bart, proposed the toast of "The Company," and Sir James Hope Simpson referred to his

position as a trustee for the shareholders of the Associated National Drug and Chemical Co. of Canada, Ltd., stating that the drug-trade seemed to him to be less liable to fluctuations than many others. The chairman replied. Various other toasts followed, and the function was, as usual, a thoroughly successful one.

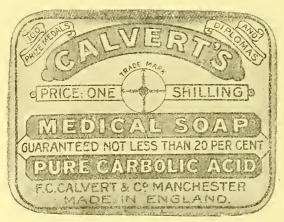
Pharmaceutical Society's School Dinner.

THE annual dinner of past and present students of the Pharmaceutical Society's School of Pharmacy was held at the Midland Hotel, Euston Road, London, N.W., on March 16, Mr. W. J. Uglow Woolcock, O.B.E., M.P., in the chair. The gathering constituted a record in numbers, and about half of those present were lady in numbers, and about half of those present were lady students. Supporting the chairman at the top table, or near it, we noticed Miss Buchanan, Mr. W. L. Currie (President of the Pharmaceutical Society), Sir William Glyn-Jones, Mr. C. A. Hill, Mr. T. Edward Lescher, Mr. F. H. Carr, Mr. R. R. Bennett, Major E. Saville Peck, Mr. F. W. Crossley-Holland, Mr. A. R. Melhuish, Mr. E. White, Professor H. G. Greenish, Mr. C. H. Hampshire, Mr. F. W. Gamble, Mr. H. S. Watson (President of the Western Pharmacists' Association), Mr. C. A. Noble, Mr. W. Browne, and Mr. H. Finnemore. Apologies for absence were received from Messrs. W. J. Gulliver, J. S. Hills, F. G. Hines, E. M. Holmes, E. J. Millard, H. C. Wright, and others. After an excellent dinner and the loyal toast had been After an excellent dinner and the loyal toast had been disposed of, the chairman, without delay, made a selection from the generous programme of music, in which three students of the School participated to the general satisfaction. The task of proposing the toast of "The Pharmaceutical Society" was entrusted to Mr. F. J. Dyer, this year's Bell scholar, who acquitted himself as to the manner born, dovetailing some neatly turned compliments into a forecast of the period of reconstruction. Mr. Currie, in reply, thanked Mr. Dyer for the "kindly, generous, and spontaneous" way in which he had spoken, and Sir William Glyn-Jones added a few words of praise. The prevailing friendliness of the atmosphere was very happily caught by the chairman in proposing "The School of Pharmacy." Mr. Woolcock reminded the company that it was just twenty years since he first proposed this very toast, and proceeded to banter the powers then (and since) reigning at Bloomsbury Square with a lightness of touch that immensely pleased his hearers. Mr. E. White and Professor Greenish made characteristic replies. The Professor, who received an ovation, paid a high tribute to his staff and his students. There had never, he said, been anything approaching this year's number, and the harmonious working of all concerned was remarkable. Mr. F. J. Todd proposed "The Ladies" in a speech of perceptive humour, and Miss K. Hutchins made a brilliant reply. Refraining from quoting Horace in the original, Miss Hutchins fell back on Kipling, and, after thanking the Council and the School Committee for the consideration extended to the students, she expressed the view that the proposer of the toast must have been revising polysaccharides. (Laughter.) The last toast was that of "The Chairman," proposed by Mr. C. A. Hill, who said that, proud as they all were of many men sent forth from the School, they were prouder of none more than of Mr. Woolcock. (Applause.) Whether he ran Mr. White or Mr. White ran him (laughter), affairs had prospered. Mr. Woolcock had directed Army contracts, and would probably end by controlling the House of Commons or the House of Lords. (Laughter.) He (the speaker) hoped that in ten years' time Mr. Woolcock would spare a thought, if not a copper (laughter) for the pharmacists he had left behind. Mr. Woolcock briefly replied, and thanked the secretaries of the dinner committee (Messrs. J Rickard and L. Matthews) and the secretary of the Past Students' Association (Mr. Harry Martin), who had jointly organised the function. Each of them responded in a few impromptu sentences by way of "curtain" to a highly successful evening.

GERMAN DYES BY AEROPLANE.—A Bradford dealer has lately received 14 cwt. of German vat dyes by aeroplane from Amsterdam.

The Piracy of British Trademarks.

THE piracy of trade-marks is by no means confined to any one country; the desire to profit at the expense of another appears to be universal. In England the colourable imitation of a well-known mark or brand is impossible, because it is discovered at once and can be stopped. In this country the registered trade-mark is rarely copied, but all well-known goods are imitated more or less. The only remedy for this form of piracy is to educate the public to discriminate between the real and the false, and this course is usually taken, with the result that substitution quickly dies out and the demand for the genuine article increases. In foreign countries, however, trade-mark piracy is rampant, and incalculable damage is done both to British prestige and commerce; and it is exceedingly difficult to deal with the matter individually. Litigation in foreign courts is unsatisfactory unless there is a thorough knowledge of the proper procedure; the firms which commit piracy are usually of little substance, and it is often impossible to trace and bring them to book without much annoyance, trouble, and expense. ingenuity shown abroad in pirating well-known British marks is great. In South America the usual form is to make just a slight difference in the copy. Supposing the original name to be "Rank" and the mark a lighthouse, the substitute might be "Blank" and the mark a chimney. All well-known goods are copied in this way, and although the difference is there, the general style and make-up are followed so closely that deception is easy. The Japanese have earned an unenviable reputation for the misuse of trade-marks, and for this the smaller concerns are chiefly accountable. Something substantial has been done by official action to redeem the name of Japan at large, and it is no longer possible for rogues to steal the trade-mark of a foreign firm and register it in Japan as their own property. The Japanese courts in certain instances have acted with conspicuous fairness towards foreign plaintiffs in trade-mark actions, and in examining a few of the instances in which Japanese traders have been

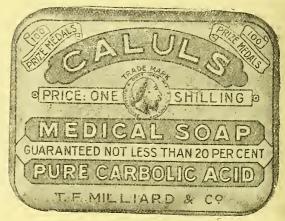


THE GENUINE.

obviously at fault it must be made clear that trade-mark robbery is not a universal practice among them. Japan, however, does furnish flagrant examples of the misappropriation of names and devices the property of British firms. An especially flagrant case is the imitation of the get-up of Calvert's medicinal carbolic soap, which is here shown side by side with the genuine. In this instance the device is duplicated in all its outlines with a fidelity of purpose worthy of a better object. It is the device and not the name that imprints itself on the minds of consumers ignorant of the English language and of the characters of the alphabet. Other flagrant examples are in our possession, which show that the abuse is not only restricted to soap. The same fraudulent practice has been

applied to Japanese-made patent-medicines, mineral waters, babies' teats, and other things affecting the trade. With a view of considering what further action could be

With a view of considering what further action could be taken in the matter, an important conference of officials and manufacturers interested took place, recently at the Foreign Office. In the result stern action was decided upon, and representations will shortly be made to the countries concerned. It was stated that at present the Japanese Government only recognises priority of registration, and not the priority of usage as is the law in this country. However, government may make laws and administer justice, but cannot be expected to act the part



THE FRAUD.

of detective and prosecutor as well. This applies to all nations, and although trade-marks are protected by law in the countries where they are registered, infringement can only be stopped by taking action against the delinquents. There has been in the past a lack of cooperation among British manufacturers in this matter, although their interests are identical, and as it is often impossible for individual firms to obtan accurate information regarding foreign infringements, the evil goes unchecked and is becoming more flagrant than ever.

New Books.

Smith, Leslie Frodsham. London Dock Charges on Goods. 10 in × 6½ in. Pp. 347. 25s. net. (Effingham Wilson, 54 Threadneedle Street, London, E.C.) [The author of this work is a shipping and forwarding agent, and has spent over twenty years in the services of the L.N. w.R. Co. and the Port of London Authority, so that he is a recognised expert. He deals with a very intricate subject in a lucid manner, and shows traders the cheapest way of handling London shipping goods, thus avoiding the many pitfalls that surround dock procedure. In these days of enormously increased railway rates, freights, cartage, lighterage, and dock charges, it behoves every merchant to study this volume, as it is the most comprehensive work we have seen on dock charges and their working. The chapters, of which there are five, deal with every aspect of the charges on imports, exports, and provincial goods, and give in detail the services rendered for the various rates. Provincial goods through the Port of London are specially dealt with, and full particulars given of the intricate "f.a.s." arrangement, which will be found invaluable to exporters.]

Camphor Substitute for Film Manufacture.—American manufacturers of cinematograph films are considerably interested in the results of experiments conducted by the Celluloid Co. of New York, which claims to have perfected a synthetic substitute to take the place of camphor in the manufacture of cinematograph films. The substitute, it is stated, will eliminate much of the inflammable nature of the film.

The Science of Businessbringing.

It is safe to say that no progressive business man nowadays, with so many irrefutable evidences of commercial success before him, can deny the utility of advertising. Yet there are some—shrewd men even—who still in their innermost souls imagine that successful advertising is more or less of a gamble. They, more or less generally, deprecate its claim to being an exact science or even an economic necessity. To such as those—there cannot be many—it must come as something of a shock to find the London School of Economics and Political Science arranging, for a course of lectures on "Commercial Advertising" by an expert on the subject. But that is what has actually happened, and now the lecturer, Mr. Thomas Russell, well known to readers of The Chemist And Druggist, has published the six lectures which he delivered to the School last year in book form.

AND DRUGGIST, has published this six rectates which he delivered to the School last year in book form.

This book ("Commercial Advertising," Putnam, 10s. 6d.) is well worthy of serious study by men in all branches of commerce. Not that Mr. Russell has contributed anything very startling or even very novel to the subject, but he has placed the principal factor in all modern business expansion on a philosophic plane and has given it its true perspective. Naturally the most interesting chapter in the book to the man who has anything to sell (and who has not?) is that on "The Economic Justification of Advertising." To my mind that particular chapter alone justifies the production of the book, although there are many other chapters which keep the serious student of the subject enthralled. The author explains lucidly, for instance, the functions and policy of advertising, and gives a reasoned disquisition on its practical psychology, illustrating his points with examples culled from a long and intimate practical experience.

In the chapter on "Trade Marks and Retail Advertising" he alludes, as he obviously must, to many articles well known to chemists such as "Vaseline," "Tabloids," Scott's Emulsion, Carter's Little Liver Pills, Fraser's Sulphur Tablets, and so on. Some of his comments are interesting, while others indicate an imperfect appreciation of the true inwardness of the situation. An interesting point raised in discussing the necessity for manufacturers of branded goods safeguarding their marks by persistent publicity deals with the "Vaseline" mark. He says:

mark He says:

Suppose, for example, that the Chesebrough Manufacturing Co., who own the trade-mark "Vaseline," had allowed other petroleum jellies to be sold by this name, taking no steps to prevent this during a number of years. It might be very hard upon one chemist, who had bought a stock of bottles with "Vaseline" cast in the glass, and a stock of labels, and a stock of petroleum jelly, to be pounced upon for doing what other people had done with impunity for perhaps ten years. It is impossible to say that the Courts might not hold that the action of the Chesebrough Co. contributed to the chemist's mistake, if it were shown to be an honest mistake, and that the company was either stopped from taking measures to restrain the chemist, or liable to compensate him for his investment and for the goodwill which he had established. I do not say that this would be the view that the Courts must take, but it is a view that they might take. In some countries such a view has undoubtedly been taken by the law.

As an advertising man Mr. Russell is, of course, all

As an advertising man Mr. Russell is, of course, all for brand names. He defends even the German chemical manufacturers who "sent to this country patented coaltar derivatives with names that are dreadful jaw-breakers in the correct chemical nomenclature which is basically common to all languages." "By giving these products popular names," he continues, "they did no more than was commercially necessary. You could hardly expect a man with a cold to ask the chemist for 10 grams of phenyldimethylpyralon: so this compound was renamed antipyrin. Even doctors call it that," he concludes triumphantly. This is yet another melancholy illustration of the pitfalls that await the layman who endeavours

to divagate into purple patches at the expense of the chemist. Apart altogether from the fact that there is no chemical compound known as "phenyldimethylpyralon," Mr. Russell is evidently unaware that antipyrin has been known to the public and to the medical profession as "phenazone" for at least twenty years. On the "substitution evil" the author likewise exaggerates abundantly, and, indeed, his strictures in this connection, and his scarcely veiled contempt for the rights of the distributor, wholesale or retail, are the main defects in the book.

He must be aware that the principal factor in the success of any selling scheme is the question of distribution, and that any owner of goods, proprietary or otherwise, who does not first secure the goodwill of the distributor is bound to fail. I have in the course of my lifetime interviewed many cocksure proprietors of branded goods—mostly from the United States, I must add—who have propounded the theory that the only thing necessary for them is to spend anything from 5,000%. to 50,000% in advertising direct to the public. This, they tell me, creates a demand which forces the retailer to stock and supply the goods whether he likes it or not. This ignoring of the human element in the distributor has always been a puzzle to me, and the principle if put in practice inevitably results in failure.

In the same connection Mr. Russell also discusses price protection, which he considers "wrong and immoral." If he knows anything of the economics of wholesale or retail distribution in this country he must surely be aware that price protection was instituted mainly to prevent the cutter from selling proprietary articles at cost—or less than cost—as a bait for the sale of his "own-name" commodities. Does Mr. Russell defend the "ethics" of this class of trading? As a matter of fact, most owners of proprietary articles nowadays recognise that price protection is the best possible anti-dote to "substitution." As is to be expected from the foregoing, the contempt for the distributor is further evidenced in the perfunctory manner in which trade journals are treated in Mr. Russell's book. This is one of his worst mistakes. Of course, such journals have to be mentioned. As thus:

The medium by which to reach the shopkeeper is, of course, the trade paper—the "Drapers' Record," greatest of all trade papers, The Chemist and Druggist, "The Ironmonger," "The Grocer," "Men's Wear," "The Oil Trades Journal," "Shoe and Leather Record," and what not.

There is something ambiguous in the beginning of that paragraph. Obviously, the author meant to put on record the fact that The Chemist and Druggist is "the greatest of all trade papers," but careless readers might think he meant to refer to the "Drapers' Record." Perhaps he will make this point quite clear in subsequent editions. He thinks most trade-paper advertising is "pretty bad," but "Burronghs Wellcome & Co.'s drugadvertising in The Chemist and Druggist avecellent." Apparently Mr. Russell has not studied recent issues of The Chemist and Druggist or he would find hundreds of other excellent examples of advertising in this journal. There are several other points I should like to take up with Mr. Russell, but space is precious, and I have said enough to show that the book makes stimulating reading.

Carruthers. (89/9.)

"Colonials always prefer British-made goods, even if they have to pay more for them; but British manufacturers do not give enough attention to detail," a visitor to this country remarked recently; and he cited the novel arrangement of a well-known American firm's shaving-stick in support of his argument. "Had a British firm the same device I could sell hundreds more, in preference to American," he added.

Mr. Douglas H. W. Robson-Burrows, Summerfield, Bournemouth, late director of Oppenheimer, Son & Co., Ltd., who died on September 20, aged fifty-two years, left estate of the value of 18,544l. The residue of the property, which will exceed 10,000l, he gives to the Royal Victoria and West Hants Hospital.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garhling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, March 18.

Business, so far as Mincing Lane produce is concerned, does not show any improvement, and trading is mostly hand to mouth, the outlook at the moment not being propitious for initiating speculation or contracting forward unless special inducement offers, while the prospect of a rise in the Bank rate is a retarding factor. A settlement of the Dutch transport workers' strike does not yet seem imminent, and overseas trading at the ports of Rotterdam and Amsterdam is still held up. Some enterprising firms have had their goods conveyed by aeroplane. In chemicals a fair trade is passing, and prices with one or two exceptions are well maintained. Citric and tartaric acids are strong and dearer, but stocks are insufficient to supply all would-be buyers. Cream of tartar is unaltered. Mercury has advanced a further 1l. per bottle, and mercurials prices are likely to be advanced in consequence. Phenacetin and phenazone have been in good demand, and the latter is particularly scarce. Strychnine and salts are again higher. Benzoates and pyrogallic acid are a shade firmer; tannic acid and methyl sulphonal are cheaper. Among drugs, ipecacuanha is maintained at last week's advance; menthol shows a recovery, and a fair business has been done. Norwegian cod-liver oil is steadier. Opium is steady and still selling freely in primary markets. Chamomiles, Florentine orris, and gum acacia are easier; shellac and lead compounds are lower.

Higher	Firmer	Easier	Lower
Bergamot oil Capsicums Cedarwood oil Citric acid Lemon oil Nutmeg oil Orange oil Phenacetin Quicksilver Spike oil (Sp.) Stavesacre Strychnine Tartaric acid Turpentine Vermilion	Benzoates Betanaphthol Camphor (Jp. slabs) Petroleum Phenazone Pyrogallie acid	Anise oil, star Chamomiles Cinnamon-leaf oil Farina (Jp.) Gum acacia Hen-yolk Lime oil (W.I. dist.) Unseed oil Vanillin	Albumen, egg Camphor cil Eucalyptol Methyl sulphonal Fennel oil Lead compounds Mint oil (Jp.) Orris (Flor.) Pepper Shellac Tannic acid

Cablegram.

All mer-NEW YORK, March 17.—Business is fair. curials are higher. Mercury is dearer at \$90.00 per flask an advance of \$5.00. Oil of gaultheria (wintergreen) has advanced to \$9.50 per lb., and elecampane-root to 16½c. per lb. Opium is lower at \$7.00 per lb., duty paid. Menthol is cheaper at \$13.25 per lb. Peppermint oil in bulk is about 25c. lower at \$8.00. Oil of sweet birch (wintergreen) has been reduced to \$5.75, and "special" to \$3.50 per lb. Senega is lower at \$2.25 per lb.

ACETANILIDE is quiet at about 4s. 4d. per lb. for crystals or powder.

ALBUMEN.—Chinese egg is 1d. per lb. cheaper, prime offering at 6s. 1d. and affoat at 6s. 1d. c.i.f.

AMIDOPYRIN.—For spot parcels 658. per lb. is quoted. Ammoniacum.—An importation of galbanum has arrived consigned as ammoniacum, and has been offered and sold as such on the London market. Some caution, therefore, seems necessary in buying ammoniacum at the present

Antimony.—The demand for regulus is quieter, but the tone is steady. While English is retained at 72l. to 75l., foreign is obtainable more cheaply on c.i.f. terms at 66l. to 67l. Crude, however, remains virtually unobtainable. The big fall in the price of silver may have an effect upon the attitude of China shippers, if there is a better prospect of reviving mining enterprise.

Benzoates are the turn firmer in some quarters, with prices irregular. Both benzoic acid and soda benzoate are quoted at from 4s. 6d. to 4s. 9d., but competition is keen and sales of imported parcels have been made at

slightly less.

BETANAPHTHOL.—Resublimed is scarce, much firmer, and

in demand at from 7s. per lb. upwards.

Browness are unchanged at last week's quotations. Potash is offered at very irregular prices, fair current value being from 38. 9d. to 48. per lb. for granular and crystals respectively. Ammon. is 48. 3d. to 48. 6d., and soda 4s. to 4s. 3d.

CAMPHOR (CRUDE).—Business in Chinese is reported at 9s. 9d. per lb. c.i.f. for March-April shipment.

Camphor (Refined).—Japanese refined slabs are the turn firmer at from 17s. 9d. to 18s. per lb. on the spot, at which

sales have been made.

Canary-seed is steady, with business in ordinary Morocco at 190s, and fair to good at 195s, to 205s, per

Capsicums are 5s. per cwt. dearer at 75s. for long

Bombay on private terms. CARAWAY-SEED is quiet and unchanged at 48s. per cwt.

for fair Dutch on the spot.

CHAMOMILES.—Fair white are offered at the cheaper rate of 150s, per cwt. on the spot. Spanish are also lower at 142s. per cwt. on the spot.

CHLOROPHYLL, soluble in oil, is quoted at 35s. per lb.

for parcels affoat.

CINCHONA.—An auction of pharmaceutical bark will be held at Amsterdam on March 31, when 630 packages (274) bales and 356 cases) Java Succirubra will be offered, weighing 34,750 kilos., the quinine-sulphate content being 1,026 kilos.; of the above 11,419 kilos. are root-bark.

CITRIC ACID.—There has been a renewed demand for U.S. account, and the market is strong, with a rising

tendency at 6s. 6d. per lb.

Cocaine remains firm, and meets with a good inquiry at from 37s. 6d. to 40s. per oz. for hydrochloride, accord-

ing to buyer and quantity.

Coca-leaves.—An auction of Java coca will be held at Amsterdam on March 31, when 845 packages (730 bales and 115 cases) will be offered, weighing 46,183 kilos., the total alkaloidal content being 610 kilos. The average percentage

Cod-Liver Oil .- Our Bergen correspondent writes, on March 11, that the recent weaker feeling has now given place to a somewhat firmer tone, finest new medicinal Lofoten oil offering at from 370s. to 387s. per barrel c.i.f. London. The following are the official figures regarding the catch up to March 6:

					Yield of
					Cod-liver Oil
				Cod	(hect.)
1920	***	•••	•••	5,615,000	9,157
1919		•••	***	3.771,000	5,176
1918				2,912,000	3,290
1917	***			5,047,000	8,661
1916				12,247.000	16.595
1915				11.451,000	16,136

In London various agents offer at from 380s. to 390s. per barrel c.i.f., and finest new Lofoten can be had at

440s. on the spot.

COPPER SULPHATE.—Curiously enough, the severe fall in copper has so far hardly affected makers' terms, although export inquiries are restricted. Some of the larger makers still ask 50l. per ton f.o.b. Liverpool, less 5 per cent., but second-hand parcels could be had at less. Coriander-seed sells steadily at 22s. 6d. per cwt. for

good Morocco and at 20s, to 21s, for inferior, Cream of Tartar.—In view of the extremely high prices asked for forward delivery, it is anticipated that advanced rates will have to be paid later. At the moment, however, there are spot sellers of 99 to 100 per cent. powder at 290s. per cwt., and 95 per cent. at 275s.

CUMIN-SEED is in fair request at 45s. to 47s. 6d. per cwt.

for middling to good sifted Morocco.

DILL-SEED is quoted 16s. per cwt. for East Indian, with-

out business being reported.

EUCALYPTOL.—Crystallisable is lower at 5s. 9d. per lb. FARINA is quiet and 6d. easier on the spot, No. 1 Japanese having been sold at 37s. per cwt.; March-May shipment is still 37s. c.i.f. Sweet-potato flour is 33s. 6d. spot.

FENNEL-SEED is slow of sale at 34s. to 36s. 6d. for

ordinary to good East Indian.

FENUGREEK-SEED is quoted 15s. per cwt. for fair Morocco,

with some business at the price.

GUM ACACIA is quiet, with fair Sudan sorts offering

at from 66s. to 67s. per cwt. and cleaned at 70s.

IPECACUANIIA.—The sharp advance last week came somewhat as a surprise to market people, and immediately after the auction Cartagena sold from second-hands up to 21s. and Johore up to 23s. 6d. per lb. Matto Grosso is offered at 25s.

JUNIPER-BERRIES continue easy, Italian offering at

27s. 6d. per cwt. on the spot.

LAVENDER-FLOWERS.—Spanish are on offer at 82s. 6d. Lead-compounds.—The scaling down of prices seems becoming more and more accentuated, and quotations as revised on Saturday last were still in force on Wednesday. They are: Dry white-lead, 701. 10s., and ground white-lead in oil, 831. 5s.; litharge and red-lead, both 691. for 5-ton lots and upwards, and 70l. 10s. for less than 5 tons all f.o.b. for export. Another substantial revision is almost sure to ensue before the week is over, owing to the big collapse in the price of raw material.

LINSEED OIL.—Home crushers are meeting the demand at concessions in all positions at still inflated prices, and despite the upholding of pretty full terms for shipments of seed. The working margin is evidently wide enough as compared with cost of raw material to tempt a little more competition. The London spot price on Wednesday dropped to 125s. naked, delivered net. Business in Bombay seed is broadening slowly, and the collapse in silver may have some effect on shippers' terms for seed.

MENTHOL.—Towards the close of last week Kobayashi-Suzuki was offering at 65s. per lb. on the spot, but on Monday there was a sharp recovery and a good business was done at 68s. to 70s., market closing on Wednesday

with sellers at 70s.

MERCURIALS.—Although no change had been aunounced in the price of mercurials, an advance is probable.

METHYL SULPHONAL is about 2s. 6d. per lb. cheaper, importers offering at 47s. 6d. to 48s. per lb. net, as to quantity.

Musk.-First pile, thin-skinned blue Tonquin pod has been sold this week at 167. 6d. per oz. Stocks are now

extremely small, the new crop being awaited.

OPIUM.—Quite a fair business is being done on the spot at firm prices, including Turkey druggists' quality at from 20s. to 21s. per lb. The primary markets continue active on Japanese buying, and a cable has been received quoting 12-per-cent. at 18s. 6d. per lb. c.i.f.

received quoting 12-per-cent. at 18s. 6d. per lb. c.i.f.

SMYRNA, February 20.—We have to report a fairly active market, with sales amounting to 42 cases usual druggist manufacturing qualities at 15s. 6d. to 20s. per lb. c.i.f. port of destination. The weather has been exceedingly cold, with 10 to 20 degrees of frost in Karahissar, Konia, and other high plateaux opium districts; this protracted cold weather stops all field work, and naturally will be conducive to a shorter crop this year. The exchange dropped a bit at the beginning of the week, but recovered again. We quote cheque on London piastres 414 per pound sterling, and \$0.82 per Turkish paper pound. The arrivals are 1,490 cases, against 165 at same date last year. We reckon our opium year from June to May, therefore above arrivals—viz., 1,490 cases, or 258,400 lb., are from June 1, 1919.

SMYRNA, February 28.—We have to report a very firm market, with sales amounting to 18 cases Karahissar at 18s. 6d. per lb. c.i.f. Two large buyers were on the market, but sellers refused their bid of 18s. for Karahissar, owing to our stock of this quality being almost depleted, and the reconstitutions the demanding the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions to demanding the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions to demand the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions the demanding the canadiance of 10d, nor lb, texpolutions the demanding the c

to our stock of this quality being almost depleted, and the revolutionists demanding the equivalent of 10d. per lb. to

allow it to pass. The exchange is now piastres 408 per pound sterling for cheque and \$0.84 for one Turkish pound. The arrivals are 1,490 cases, against 165 at same date last year.

The importation of opium into the United States during the eleven months ended November 30, 1919, was 668,662 lb., against 151,948 lb. and 109,223 lb. for the corresponding periods of 1918 and 1917.

OXALIC ACID is very firm and scarce at from 2s. 7d.

to 2s. 8d. per lb.

PEPPER is lower, fair black Singapore having been sold at from 9\(\frac{7}{2}d \), to 9\(\frac{1}{2}d \), per lb. on the spot; to arrive, January-March, February-April, and March-May, shipments have been done at 10d. to 9_d^2d .; also April-June at 10_8^1d . to 9_3^2d ., and May-July at 10_8^1d . to 9_3^2d . c.i.f. d.w. Lampong on the spot is 9_2^1d . (paid), and February-April shipment 9_3^2d . c.i.f. d.w. Tellicherry is 1s. 0_2^1d ., and Aleppy 10½d. Fair white Muntok is quoted at 1s. 5d., spot, and February-April shipment at 1s. 4¾d. c.i.f. d.w. Singapore has sellers at 1s. 4½d. spot, and February-April shipment at 1s. $4\frac{1}{6}d$. c.i.f. d.w.

Petroleum has advanced $\frac{3}{4}d$. per gal., ordinary refined American offering at 2s. $1\frac{3}{4}d$. per gal., and water

white at 2s, $2\frac{3}{4}d$.

PHENACETIN has been in good demand at advancing rates, with spot sales at from 16s. 6d. to 17s. 6d. per lb., sellers on Wednesday asking 18s. to 18s. 6d.

PHENAZONE has also been in good demand at rising prices, showing irregularity; spot sales have been made at 33s. to 35s. per lb. The United States continues to report a great scarcity.

PIMENTO is quiet, with small sales at 6d. per lb.

Pyrogallic Acid is in rather better demand, crystals offering at from 13s. to 13s. 6d. per lb. and resublimed at 14s, per lb.

QUICKSILVER.—The position is dealt with editorially. Market on Wednesday closed at 26l. to 26l. 10s. per bottle—a rise of 1l. on the week, and business has been done at

SACCHARIN.—The home trade is quiet, with British make (550 pure) offering in small lots at 140s. per lb. duty paid, of which 110s. is duty. Export trade is brisk, but cannot be fully satisfied; best brands are quoted at from 24s. to 25s. per lb. in bond. The Board of Trade returns give the following figures:

	1913	1919	1920
	oz.	oz.	oz.
Imports (Feb.)	17,608	81,196	41,061
do. (JanFeb.)		353,663	45,689
Home consumption (Feb.)	60,451	5,012	5,701
do. do. (JanFeb.)		13,055	9,051
Re-exports (Feb.)		_	101,370
do. (JanFeb.)			217,053
- (00001 1001)	,		,

Santonin.—Quite limited quantities are offered at 700s.

per lb. from dealers while they last.

SENEGA.—Our New York cable intimates a reduction to \$2.25 per lb., which at to-day's rate of exchange (about \$3.75) is equal to about 12s., quite a sharp reduction evidently based on the improved rate of exchange alone. Spot

(London) price is unchanged.

SHELLAC is quiet, with practically no change in the spot price of usual standard TN quality, which is offered at 800s. per cwt.; fine Orange is 1,000s.; AC cakey 610s. to 620s., and GAL at 600s. Futures have been irregular, but much lower, May position having sold during the week at from 650s. to 650s. to 630s. August delivery has been sold at 570s. to 550s. to 570s. For February-March shipment business has been done at 630s. c.i.f.

Soda-sulphate can be had at 10l. per ton for commercial quality in ton lots, ex factory London to actual users.

STAVESACRE-SEED is quoted at the higher price of 180s. per cwt.

STRAMONIUM-LEAVES.—For Spanish 95s. per cwt. is quoted on the spot.

STRYCHNINE.—On account of the advancing price of nux vomica, English makers have advanced their prices for strychnine and salts a further 1s. per oz., and now quote: Crystals, B.P., in bulk, 8s. 10d. per oz., and powder at 8s. 9d. Acetate is 8s. 10d., arseniate 8s. 8d., bisulphate 8s. 4d., cacodylate 16s., citrate 8s. 9d., hydroiodide 9s. 9d., hydrobromide 8s. 11d., hydrochlor., B.P.,

8s. 7d., hypophosph. 10s. 7d., nitrate 8s. 6d., phosphate 9s. 1d., sulphate 8s. 6d., and valerianate 11s. per oz. net, without engagement.

SULPHONAL is quiet at from 50s. to 51s. 6d. per lb., as

to quantity and seller.

SULPHUR. - Fair-sized imports from Sicily have taken place of late, and flowers can be had at 29t. per ton, and roll at 27l. on the soot.

TAMARINDS are slow of sale, fair East Indian offering at 45s. and West Indian in bond at 47s. 6d. per cwt.

TANNIC ACID is again cheaper at from 9s. to 9s. 6d. per lb. for B.P. leviss. The present prices are regarded as low, probably the result of cheap contracts.

TARTARIC ACID has continued in good demand, both on the spot and for forward delivery; from 4s. to 4s. 1d. per lb. is quoted. Italian makers are asking very high prices for forward delivery, and the bulk of the English output appears to be in dealers' hands.

THYMOL.—British-made ex thyme oil can be obtained on the spot at 50s. per lb. in one direction.

TURPENTINE.—After an advance aggregating about 6s per cwt., there was a sharp setback on Wednesday to 243s. per cwt. for spot delivery of American spirit, which was attributed to the expectation of a full cargo consignment which is now on the way to this side. Demand is thus more cautious at the moment. Forward positions have eased to some extent to about 140l. for July-December.

Vanillin is slightly easier, offering at from 80s. to 81s.

per lb.

VERMILION.—In consequence of the advance in mercury, English makers have again been compelled to raise their prices to 7s. 6d. to 7s. 7d. per lb. net, as to quantity.
Wax (Ceresia).—The Polish Consul-General in London

announces that the Polish Government is willing to export a large quantity of ceresin wax from Poland, and the necessary export licences will be granted upon application to the Export and Import Committee, Elektoralna 2, Warsaw.

Essential Oils Market.

In view of the unsatisfactory and unsettled conditions of business, it is difficult to give definite and firm quotations for the leading essential oils. There is a feeling in some quarters that a recession from the present high prices is overdue, and this has a restricting effect on business. quotations for lemon, bergamot, and orange oils are extremely irregular, and with a higher tendency; cedarwood, nutmeg, and Spanish spike are dearer. Star anise, cinna-nutmeg, and Japanese mint oils are easier. Japanese essential camphor, West Indian lime, fennel (sweet) and neroli Bigarade (Spanish) are lower; lemongrass is about steady. The hope of an early settlement of the transport workers' strike in Holland runs high, but at present a moderate supply of goods is coming via Flushing. The dockers at Antwerp have refused to handle goods for Hol-land via that port. land via that port.

ANISE OIL, STAR, is easier, with spot sales of "Red Ship" brand at 5s. 4½d. per lb., with sellers asking 5s. 5d:

BERGAMOT.—Quotations are irregular, especially for forward delivery. An average price for 38-39 l.a. would be about 40s. to 45s. per lb. on the spot, and from 32s. 6d. to 48s. 9d. forward is quoted; even higher prices are asked in some directions. This week sales have been made on the spot at 36s.

CAMPHOR.—For Japanese essential water-white and brown 150s. per cwt. is quoted on the spot in one direction. CEDARWOOD is still tending upwards at from 3s. 6d. to

4s. per lb.

CINNAMON (Leaf).—Ceylon is quoted at 1s. $1\frac{1}{2}d$. per oz. on the spot, and African at 17s. per lb.

CITRONELLA is in good demand and fairly steady at 3s. 3d. to 5s. 6d., spot parcels having been sold at from 5s. 4d. to 5s. 5d. per lb. this week for Ceylon. It is stated that 5s. per lb. c.i.f. has been quoted ex Marseilles, but this is probably in excess of present value. Java is steady but soarce at 6s. 3d.

CLOVE (LEAF) is quoted on the spot at 17s. per lb. in one

CORIANDER is scarce on the spot, but in one direction the c.i.f. London quotation is lower at about 175s. per lb.

Cuers is in fair demand on the spot at about 60s. per lb. Eucalyptus.—A slight increase in the demand was reported, but this has again fallen off. The price on the spot for oils varying from 70 to 75 cincol content and 80 to 85 per cent. is from 3s. to 3s. 6d. per lb. Amygdalina is steady at

2s. to 2s. 3d., and Citriodora is very scarce and difficult to find at about 19s. per lb.

Fennel (sweet) is lower at 13s. 3d. per lb. in one direction. GINGER.—On the spot 50s. per lb. has been quoted, but for forward delivery 40s. c.i.f. is asked.

GINGERGRASS.—The "insolublo" variety is offered on the spot at 18s. to 19s. 6d. per lb.

Hyachth—Ere the genuine a strong demand is reported.

HYACINTH.—For the genuine, a strong demand is reported, and the new season will be earlier this year, probably JUNIPER-BERRY, B.P., is offered at 22s. 6d. on the spot and

21s. e.i.f. London. The wood oil is steady at about 5s. 3d. per lb.

LAVENDER remains very firm, but business is quiet. Quota-

tions for French vary according to source and ester content, and a fair average price would be from 40s, per lb. to 55s.

Lemon is again firmer this week, and while 10s. 6d. per lb. has been paid, up to 11s. is now quoted on the spot. For forward delivery 9s. 6d. to 12s. 6d. c.i.f. London has been quoted. Considerable arrivals have been recorded from Sielle but it is tated that the bulls of this is for executing Sicily, but it is stated that the bulk of this is for consumers.

Lemongrass.—Sales of Cochin have taken place at 1s. 3d. per oz., although 1s. $3\frac{1}{2}d$. to 1s. 4d. is about the average quotation. For the Javanese product 27s. per lb. c.i.f. quotation. For London is asked.

London is asked.

LIME.—West Indian distilled is about 6d. per lb. cheaper, fair offering at 6s. 6d. per lb., and hand-pressed is about 16s.; demand has fallen off.

MINT.—Towards the close of last week spot sales of Japanese dementholised (Kobayashi-Suzuki) were made at 14s. 6dt, per lb., a decline of 6d., but on Monday 14s. 9d. was paid, and on Tuesday the market again declined to 14s. 6d. Market closes steady at 14s. 9d.

MUSTARD.—The genuine (B.P.) product is offered at 80s. per lb. o.i.f., but spot offers can probably be found at 75s. and the artificial at 30s.

NEROLL—Spanish bigarade is lower at 21s. per oz. in one

NEROLI.—Spanish bigarade is lower at 21s. per oz. in one

NUTMEC is dearer at from 14s. per lb. on the spot. For

forward deliveries 15s. per lb. is quoted.

Orange.—The demand for Sicilian continues strong. From primary sources very high prices are coming forward, from 36s. per lb. to 50s. c.if. being asked, and on the spot from 36s. upwards is quoted. The regular sources appear to be without adequate supplies, but a limited quantity of West Indian sweet can be had on the spot at 35s. per lb. in drums of 40 lb. while it lasts. For forward delivery 38s. is asked. Bitter can be obtained on the spot about 35s. per lb. For Spanish an increased demand is reported, and it is higher at 26s. per lb. on the spot. A redistilled product, described as superfine, is obtainable at 32s.

PALMAROSA.—For unbranded material sales have been made this week at 24s. per lb., but 26s. per lb. to 27s. is the average quotation on the spot and 28s. c.i.f.

Sandatwood.—For Australian 32s. 6d. per lb. is quoted on the spot for cases of seven × 8-lb. tins, packing included. West Indian is steady at 25s. to 26s. per lb., and Mysore Government at 50s.

Spearmint.—In one direction 75s, per lb, is quoted. Supplies are short, and cheap sellers appear to be off the

market.

SPIKE is dearer, and for Spanish 15s. per lb. on the spot asked from first hands, although there are holders who offer at slightly less. At primary sources supplies are said to be very scarce, and much higher prices are reported ruling.

Sandalwood Oil.

There is now stated to be in London fair-sized quantities of West Australian sandalwood oil. Its use as a medicinal product is excluded by the B.P. requirements of a higher santalol content than the Australian oil offers, but its commercial possibilities are indicated by the fact that considerable demand is reported from soan males. able demand is reported from soap-makers and perfumers for use in the respective industrics. Except for its lower alcohol content, the Australian product compares favour-ably with the Mysore distillate, as the following table shows:

	Santalol content	Colour	Solubility in 70 per cent. alcohol	Sp. gr.
B.P. (Mysore)	90 per cent.	Pale yellow or nearly	1 in 6	0.973 to 0.985
West Australian West Indian (Amyris balsa- mijera)	70 per cent. 30 to 40 per cent. (occasionally bigher)	colourless Straw colour	1 in 6 1 in 80	0.970 0.948 to 0.972

Arrivals of Drugs, Chemicals, etc.

This section is now restricted to imports of direct interest to the Chemical and Drug trades.

The following products have arrived at the ports named:

London (February 24 to March 8). Chemical products, etc.: not described, (Fr.) 21 pkgs., (Belg.) 48 cs., (Fr.) 62 cs., (Germ.) 26 cs. 19 pkgs., (Belg.) 13 pkgs. 15 drms. Acetic acid, (U.S.) 81 brls., (St. John, N.B.) 422 brls.

Argol, (Port.) 572 bgs., (Sp.) 522 bgs. 301 pkgs., (Fr.) 481 bgs. 522 bgs. 301 pkgs., (Fr.) 481 bgs.

Arsenic, (Port.) 35 brls., (Jp.) 350 cs., (Hamb.) 140 cks., (E. Af.) 74 cks.

Barium sulph., (Belg.) 900 bgs., (Sp.) 600 bgs. 324 brls., (Germ.) 583 cks.

Bismuth ore, (Ch.) 40 bgs., (E. Af.) 92 bgs.

Boric acid, (N.Y.) 86 kgs., (It.) 200 brls.

Bromides: ammon., (N.Y.) 20 cs., (Hamb.) 17 pkgs., potash, (C'hagen) 6 cks., (Hamb.) 29 cs.

Calc. cit. (W.I.), 5 bgs.

Calc. cit. (W.I.), 5 bgs.

Calc. tart. (Sp.), 20 bgs.

Chloral hyd. (Belg.), 10 cs.

Oitric acid (Sic.), 55 cks.

Hexamine (St. John, N.B.), 4 brls. bgs. Hydroquinone (Hamb.), 11 Hydroquinone (Hamb.), 11 pkgs.
Lithia earb. (N.Y.), 14 brls. 10 kgs.
Magnes. chlor., (Antw.) 46 cks., (Hamb.) 57 cks.
Mangan. diox. (Swe.), 30 bgs.
Menthol (Jp.), 250 cs.
Milk sugar (N.Y.), 180 brls.
Nickel ox. (U.S.), 11 brls.
Paraldehyde, (St. John, N.B.) 54 cs., (Germ.) 5 cs.
Potash salts, (Antw.) 8 cks., (St. John) 4 brls.
Pot. chlorate (Swe.), 40 kgs. (St. John) 4 brls.
Pot. chlorate (Swe.), 40 kgs.
Pot. caustic (Swe.), 10 cs.
Pot. carb. (Hamb), 36 cks.
Pot. pruss. (Germ.), 9 cs.
Pyrogallic acid, (N.Y.) 10 cs.,
(St. John) 10 cs.,
Quicksilver, (It.) 50 bots.,
(Antw.) 50 bots.
Saccharin (N.Y.), 10 cs.
Sat ammoniac (C'hagen), 16
pkgs. Sal ammoniac (C'hagen), 16 pkgs.
Salol (N.Y.), 11 kgs.
Saltpetre (Cal.), 5,197 pkgs.
Soda, caustic (N.Y.), 11 cs.
Soda chlorate (Swe.), 10 cs.
Soda nit. (W.C. S. Amer.), 27,043 bgs.
Soda phosph. (U.S.), 94 brls.
Spirit, rectified (Natal), 45 'drms.

drms.
Sulphur (U.S.), 1,630 bgs.
Tannic acid, (Belg.) 40 pkgs.,
(N.Y.) 40 brls., (St. John)
98 brls.

(N.1.) 40 bris., (St. John) 98 bris.

Tartar, (Sic.) 5 cks., (Fr.) 437 sks. 243 cks. 85 bgs., (It.) 44 pkgs., (Sp.) 7 cks. 100 bris.

Thorium nit. (N.Y.), 77 cs.
Wine lees (Sp.), 1,541 bgs.

Zine oxide (N.Y.), 200 bris.

Drugs, crude, etc.: not described, (Hamb.) 8 cs. 13 pkgs., (N.Y.) 428 cs. Roots: not described, (N.X.) 16 bsl.; leaves and herbs (Fr.), 144 bls.; bark (Fr.), 20 bls.; flowers, (Fr.) 11 bls., (Sp.) herbs 5 bls.

Aloes, (N.Y.) 38 brls., (B'bay) 44 cs.

Anise, (Sp.) 60 bgs., (Ch.) 100

44 cs.

Anise, (Sp.) 60 bgs., (Ch.) 100 cs., (Fr.) 50 cs.

Areca (Cev.), 208 bgs.

Balsams, (P. Colomb.) 41 cs., (Cristohal) 27 cs.

Benzoin (S'pore), 174 cs.

Buchu (Cape). 55 bls.

Calumba, (E.I.) 608 bgs., (E.

Af.) 3.439 bgs.

Af.) 3,439 bgs. Camphor, (Jp.) 150 cs., (Ch.)

Cardamoms, (U.S.) 413 cs., (Cey.) 144 cs. 37 chts., (E.I.) 158 cs. Chamomiles (Belg.), 18 bls. Cinchona (S. Amer.), 300 pkgs.

bls. Cod-liver oil (Norw.), 83 brls. Coriander seed (Fr.), 206 bgs. Fenugreek (Fr.), 180 bgs.

Galls (Ch.), 72 es. Gentian (Fr.), 20 bls. Guarana (N.Y.), 5 cs.

Henna, (Alex.) 124 pkgs., (P. Said) 21 bgs.
Insect pdr. (Germ.), 40 cs.
Kola, (W.L.) 8 pkgs., (Fort.) Kola, (W. 95 bgs.

Lavender (Port.), 161 bgs. Leptandra (N.Y.), 26 bgs. Liquorice paste (U.S.), 400 cs. Liquorice root (Fr.), 40 pkgs. 20 bls.

Marshmallow leaves (It.), 18 bgs. Nux vomica (E.I.), 4,440 pkgs.

Olibanum (B'bay), 60 cs. Orange-peel (It.), 25 cs. Orris (It.), 45 bls. 30 bgs. Patchouli leaves (Penang), 26

Rhubarb (Ch.), 53 es. Sage leaves (Sp), 84 bgs.
Sarsaparilla, (N.Y.) 55 bls.,
(W.I.) 19 bls.
Sassafras bark (N.Y.), 31 cs.
Senna, (Alex.) 222 bls.,
(Tin.) 241 bls.

Tamarinds (Fr.), 89 cs. Tolu·(N.Y.), 57 cs. Turmeric (E.I.), 698 bgs. Valerian (Antw.), 10 bls.

Gums, resins, etc.: acacia (Alex.), 100 bgs.; copal, (S'pore) 188 cs., (E. Af.) 32 cs.; damar (S'pore), 222 cs.; lac: button (Cal.), 25 cs.; shell, (It.) 64 pkgs., (Cal.) 350 cs., stick, (S'pore) 20 cs., (Fr.) 127 cs.; resin (Port.), 128 bkgs. 125 pkgs.

Honey, (Fr.) 40 cs. 6 cks. (Cristobal) 95 cs.

(Cristobal) 95 cs.

Oils, essential: not described, (N.Y.) 97 cs., (It.) 6 cs., (N.Y.) 97 cs., (Sp.) 26 drms., 12 cs., (Fr.) 9 cs.; eitronella (Fr.), 3 drms.; eucalyptus, (Aust.) 181 cs., (Sp.) 10 cs.; mint (Jp.), 200 cs.; nutmeg (N.Y.), 5 cs.; orange (W.I.), 27 cs.; palmarosa (B bay), 11 pots; sandalwood (E.I.), 157 cs.; turpentine, (Port.) 1,221 cs. 300 brls., (Norw.) 30 cks., (Denm.) 6 brls. 300 brls., (No: (Denm.) 6 brls.

Soy (Ch.), 150 cks.

Soy (Ch.), 150 cks.

Spices: cassia (Ch.), 1,710 cs.
555 bls; chiflies (E. Af.),
39 pkgs.; cinnamon, (Cey.)
47 bls. 23 pkgs., (Antw.),
100 bls.; cloves (Penang),
40 cs.; macc (W.I.), 52 pkgs.
40 cs.; nutmegs, (S.S.) 170
bxs. 775 cs. 49 pkgs., (Ch.)
150 cs., (Cey.) 62 cs., (W.I.)
80 pkgs., (E.I.) 10 cs.; pepper, (Antw.) 174 bgs.,
(S'pore) 5,334 bgs., (B'bay)
134 bgs., (Hamb.) 252 sks.
Vanilla (Fr.), 14 cs. Vanilla (Fr.), 14 cs.

axes: not described. (Fr.) 62 bgs., (Germ.) 27 pkgs., (W.I.) 15 brls., (Belg.) 62 bgs. 68 brls.; bees, (E. Af.) 49 blocks 192 pkgs. 77 bgs., (Alex.) 56 bgs.; ceresine, (Hamb.) 344 bgs., (E.I.) 14 bgs., (Port.) 264 pkgs.; paraffin, (U.S.) 3,120 bgs. 1,736 brls., (E.I.) 10,400 bgs., (Port.) 39 brls., (scale) (U.S.) 3,779 brls., (Antw.) 68 brls. Waxes: not described. (Fr.) 62

Liverpool

(February 23 to March 6).
Chemical products, etc.:
Acetic acid (U.S.), 112 brls.
Arsenic (Jp.), 300 cs.
Bismuth ore (Ch.), 601 bgs.
Calc. borate (Chili), 6,767 bgs.
Calc. tart. (Sp.), 43 brls.
Carbonic acid (Hamb.), 17 cs.
Potash bichrom. (Fr.), 7 cks.
Pot. nit. (Antw.), 49 cks.
Soda, caustic (Fr.), 86 drms.
Soda chlorate (Fr), 300 cks.
Soda nit. (Chile), 49,616 bgs.
Tannic acid (N.Y.), 40 brls.
Tartaric acid (It.), 170 brls.
Drugs, crude, etc.: not described, (Hamb.) 19 cs., (Fr.)
62 cs. (February 23 to March 6).

scribed, (Hamb.) 19 cs., (Fr.) 62 cs.
Cascarilla (N.Y.), 20 bls.
Cod-liver oil, (St. John's, N.F.)
335 brls. 139 cks., (Bergen)
5 brls.
Ipecacuanha (Monte Vid.), 88

bls.
Kola (W. Af.), 189 bgs.
Laurel berries (Trieste), 13

bgs.
Quillaia (Chile), 499 bls.;
siftings (Hamb.), 15 bgs.
Sarsaparilla, (Cartagena) 7
bls., (Colon) 7 bls.
Senega (N.Y.), 10 bls.
Tuba root (S'pore), 92 bls.
Essential oils: patchouli
(S'pore), 7 cs.; rose (C'ople),
4 cs.

4 cs. Honey (Chile), 123 brls. 34 cs.

Honey (Chile), 123 brls. 34 cs. Isinglass (Para), 21 bls. Spices: chillies (W. Af.), 26 bgs.; ginger (W. Af.), 589 bgs.; nutmegs (S.S.), 20 cs. Wax: bees', (Port.) 857 pkgs., (W. Af.) 7 bgs.; carnauba, (Port.) 857 pkgs., (Pbuco) 90 bgs.; paraffin (U.S.), 500 brls. 172 cs., (scale) 2,478 brls. brls.

Hull

(February 26 to March 4).

Acetic acid (N.Y.), 489 brls.;
acid, not described (Norw.),
125 brls.; copal, gum
(Antw.), 1,112 bgs.; dimethylaniline (N.Y.), 25 drms.;
formaldehydo (N.Y.),
76 brls.; methyl alcohol
(N.Y.), 21 brls.; naphthaleno(N.Y.), 44 brls.; naphthaleno(N.Y.), 197 brls. 8 cs.;
potash, (Norw.) 26 cks.,
(Antw.) 10 cks.; resorcin
(N.Y.), 18 cs.; soda bichrom.
(N.Y.), 21 brls.; sulphur
(N.Y.), 30 bgs.; vaseline(N.Y.), 62 brls.; wax (N.Y.),
20 cs.; wine lees (Fr.), 125
bgs.; zinc ox. (Antw.), 40
brls. (February 26 to March 4).

Manchester

(February 21 to March 4).

Acetio acid (N.Y.), 840 brls.;
antimony salts (Fr.), 10 cs.;
barytes (Sp.), 340 brls.,
chem. pdts. (Antw.), 300 cs.;
cod-liver oil (Norw.), 5 brls.;
formaldehyde (N.Y.), 84
brls.; lavender oil (Fr.), 17
cks.; ollbanum (Tunis), 39
cs.; pot. nit. (Antw.), 35
cs.; soda acet. (Antw.), 35
cs.; soda chlorate (Fr.), 200
cks.; sod. nit. (Hamb.), 100
cks.; sod. nit. (Hamb.), 100
cks.; sod. (N.Y.) 63 cks.; sod.
pruss. (Hamb.), 12 cks.; tannio acid, (N.Y.) 10 cs., (St.
John) 34 brls.; tartar
emetic, (N.Y.) 6 cks., (Fr.)
94 cs.; wax, paraffin, (N.Y.)
60 cs. 509 bgs., (R'goon)
2,000 bgs.; zine oxide
(Antw.), 200 brls.

ort Licences. (February 21 to March 4).

German Export Licences.

The German Government has prohibited, except under licence to be obtained from the Commissioner for Exports and Imports, the exportation of all articles cnumerated in Chapter IV. of the German Customs tariff. This refers to all chemical and pharmaceutical products, dyes, and colours, an exception being made in favour of natural mineral-waters salts, non-explosive fireworks, and caps (for toy pistols, etc.).

Candelilla Wax.

There are large quantities of candelilla shrub in the Monterey district of Mexico. It is found chiefly in the Montemonelos and Galeana districts, located in the northwestern part of the State of Nuevo Leon; also in the Bustamante and Villaldama districts, in the northern part of the State. This shrub is grown entirely without cultivation, and averages about 25 in. high. While there are several factories making candelilla wax in the Monterey district there is only one large one operating at present district, there is only one large one operating at present (with a daily output of about 662 lb.), due to the low price (with a daily output or about 602 lb.), due to the low price ruling in the United States. After the shrub is pulled out of the earth it is placed in wooden tanks of water, which is heated to the boiling-point. At the moment of boiling a certain proportion of sulphuric acid is put in the tanks. As soon as the acid comes in contact with the wax it comes to the surface and is collected and put in receptacles until the congests: it is then put in another tank where steam is it congeals; it is then put in another tank where steam is used to dissolve the wax, adding sulphuric acid a second time. The wax is then in a refined state and is allowed to harden in moulds. It is then ready for shipment.

Mexican Jalap.

Buyers of jalap, says a Vera Cruz correspondent of the New York "Drug, and Chemical Market," can look for an advance in the price, as the district in Mexico where the larger part of the tuber is gathered is within the earthquake district in the State of Vera Cruz. In the past there has been a scarcity on account of the activity of the rebels in this district and the limited protection given the labourers by the Carranza Government, and now the earthquake of January 3, which in some places destroyed whole labourers by the Carranza Government, and now the earth-quake of January 3, which in some places destroyed whole villages, has caused a temporary cessation of activity. The principal towns from which jalap is shipped are San Miguel, Xico, and Coscomatepec, all in the district where the greatest damage has been done and where the most lives were lost. The mountain of San Miguel, near the town of the same name, is in active eruption, smoke, lava, and ashes covering the surrounding country, and people are leaving the district. It is safe to say that the only jalap which will be shipped from Vera Cruz for some time will be small amounts that have been stored in the warehouses of the commission merehants in Cordoba and Vera Cruz. During December 1919 only 1,816 kilos. of jalap were shipped from Vera Cruz to the United States. The past Mexican situation has been discouraging to American between fields but the present conditions as for received. buyers of jalap, but the present conditions are far worse.

Oil of Pimento-leaves.

A report from the Imperial Institute on a sample of pimento-leaves sent from Jamaica has been published by the Government of the colony. The sample was sent to England to ascertain whether the leaves would be of value as a source of essential oil or for the preparation of a tanning extract. The report (published in the "Times"

Trado Supplement) states in part:

On steam distillation the leaves yielded 2.9 per cent. of volatilo oil of pale yellowish-brown colour and pleasant odour; the oil is of excellent quality, containing a high odour; the oil is of excellent quality, containing a high percentage of phenols; the phenols, isolated from the oil boiled at 253°-255° C. under 750mm. pressure, and consisted almost entirely of eugenol. The oil would be readily saleable for the manufacture of eugenol, iso-eugenol, and vanillin. The oil was submitted to firms of manufacturers, who considered it of very good quality. One firm valued it at 14s. per lb., the price then quoted for pimento oil. Another firm expressed considerable interest in the oil, and inquired whether it could be prepared and shipped so as to be saleable in the United Kingdom at about 7s, or 8s, per lb. Experiments should, therefore, be made in Jamaica with a view to determining the price at which oil could be remuneratively produced for export.

Java Cinchona Bark Sales and Analysis.

The new quinine contract provides that the price paid for cinchona bark to the planters by the factories shall be based upon the amount of quinine present in the bark, and the planters are now protesting against this new arrangement. Their protests are based on the view that the contract in this respect has been drawn up in favour of the manufacturers, and that the planters are at a disadvantage. According to Article 88 of the contract the planter ing to Article 85 of the contract the planter is required to submit with the bark he offers to the manufacturer the results of his own analysis. This result he communicates to the Quinine Bureau, which in turn passes it on to the manufacturer. The manufacturer, on the other hand, is also required to make an analysis of the bark submitted, but if his analysis shows a higher content of quinine than that mentioned in the planter's great the result of the product of the planter's great the product of the planter's great the product of the planter's great gre that mentioned in the planter's report, he need not mention the fact. But, according to Article 94, if the manufacturer's analysis shows that the content is lower by 0.15 per cent. calculated as quinine sulphate, than the analysis submitted by the planter, he is entitled to reject the planter's analysis, and demand another test. This control analysis is, in accordance with the provisions laid down in Article 96, to be undertaken by analysts who have been approved by the Quinine Bureau.

Dr. H. L. H. Zakrzecki points out in the "Allgem, Landbouwweekblad voor Nederlandsch-Indie," November 22, 1919, that there are several methods of estimating the content of quinino in cinchona bark, and that many analysts keep their methods a strictly guarded secret. There are two recognised methods—the gravimetric and the polaritation and he points are a number of circumstances which metric—and he points out a number of circumstances which may influence the results which the latter method yields. Thus, an increase in temperature generally reduces the rotation; the same is the case if the solution employed is too acid. The concentration of the solution also affects rotation, as well as the colour of the light employed.

In this connection it is interesting to note that Articles 195 to 197 of the new quinine contract stipulate that the Quinine Bureau shall appoint a Commission to study the various methods of analysis in order to establish a uniform method, with the ultimate object of creating a single central

analytical laboratory.

Japanese Seed Oil.

Tapanese Seed Oil.—The total exports during 1917 amounted to 14,758,369 kin, representing a value of 3,993,247 yen. The high price, in conjunction with the tonnage shortage, were responsible for a decrease of 7,349,059 kin, equivalent to 228,091 yen, in the exports as compared with 1916. The European countries preferred to import oil from British India when the price of the Japanese oil was too high. The Settsu Seiyu Kaisha, the most important producer of rape-seed oil in Japan; estimates that their exports to Great Britain decreased by 30 to 40 per cent., while the exports to the United States showed an increase of 50 per cent. Two kinds of oil are exported, the crude oil being Two kinds of oil are exported, the crude oil being

exported to Europe, while the refined oil goes to the United States, as there are not sufficient plants for refining it in that country:

-In 1917 exports aggregated 5,524,746 kin, Soya-bean Oil .-Soya-bean Oil.—In 1917 exports aggregated 5,524,746 kin, valued at 1,243,265 yen, a decrease in quantity amounting to 388,768 kin, compared with exports in 1916, but representing an increase in value of 326,973 yen. Prices mereased continuously during the year, and advanced by successive stages from 21 yen to 31 yen. The reduced exportation was due to the shortage of supplies of beams from Manchuria, and to the increased demand for this oil in Japan. Exports also suffered from the introduction of a maximum price for this oil in Great Britain.

maximum price for this oil in Great Britain.

Poppy-secd Oil.—Exports in 1917 amounted to 26,189,195 kin, value 7,116,579 yen. During the first half of the year the exports to Russia were very considerable, but stopped almost entirely during the second half. During the summer months large orders came in from the United States, and during the months of October and November the exports to the States are described as enormous. Plants engagate in the manufacture of sava-hear and other oils turned their in the manufacture of soya-bean and other oils turned their attention more specially to the production of poppy-seed oil, and towards the end of the year were able to produce 60,000 cases of poppy oil monthly, and this increased production is reflected in the exports, which surpassed those of 1916 by 200 per cent.

Japanese Insect-powder.

Japanese insect-flowers are of eonsiderable interest on this market, as during the war there were no Dalmatian to be had. Shipments, however, via Trieste are being slowly resumed. In common with many other branches of Japanese industry, the production of pyrethrum flowers and the manufacture of insect-powder developed to a very important manufacture of insect-powder developed to a very important extent during the war. Already in the year 1916 the total amount of dried insect-flowers produced in Japan aggregated 4,368,850 lb., compared with a production of 2,190,265 lb. in 1215. The following table shows the surface devoted to the cultivation of pyrethrum and the yield during the past ten years:

*						Pı	roduction
	Year				Acres		in lb.
	1910	•••			1,122		865,316
	1911		•••		1,235		830,833
	1912				1,290	1	L,041,175
	1913				2,245	1	L,843,53 3
	1914				2,760	2	2,135,700
	1915	•••			2,800	2	2,190,365
	1916		***		6,920	4	1,368,850
	1917		•••		10,712	6	5,845,208
	1918		•••	***	10,474	6	5,720,000
	1919	***		****	3,809	2	2,479,680

The principal centres of cultivation are situated in the prefectures of Okyama and Wakayama, and the drug is exported chiefly from Kobe. The average yield per aere amounts to 651 lb., and the cost of production is estimated to be about 1s. 9d. per lb., not including the cost of labour, the principal item of expenditure being for manure. The following table shows the amounts exported during the past

•				Dried	Powdered
Year				flowers	flowers (lb.)
1913	•••			350,225	210,012
1914		•••		819,612	256,566
1915	•••			2,085,090	309,664
1916	•••	•••	***	1,811,564	557,123
1917	•••	•••	•••	3,430,672	671,218 815,050

In 1913 Great Britain purchased 184,930 lb. of flowers, while China was the principal purchaser of insect-powder, importing of the latter 77,084 lb.; the United States imported in the same year 30,736 lb. of flowers and 16,027 lb. of powder. In 1918, on the other hand, the United States imported no less than 2,721,993 lb. of flowers, or 84 per cent. of the total oxports. China remained the principal purchaser of powder, importing in 1912 206,682 lb. The production declined very considerably in 1919, as the peasants found it more profitable to cultivate peppermint, or grasses for basket-work, and it is expected that the figures for 1920 will fall below those of 1913. In 1913 Great Britain purchased 184,930 lb. of flowers, while

ALSATIAN POTASH OUTPUT, -According to the "Köl-ALSATIAN FOTASH OUTPUT.—According to the "Kohnische Zeitung" the daily output of the Alsatian potash industry amounts to 4,000 to 5,000 tons, but owing to shortage of transport, daily deliveries do not exceed 2,000 to 3,000 tons. The selling syndicate of the Alsatian potash mines is the Société Commerciale des Potages d'Alsace-Lorraine, of Mulhouse.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

The Coming Council Election.

SIR,—May I have a little space to contradict an unfortunate rumour that I do not propose again to become a candidate for election to the Council? One wonders how these things crawl about—the rumours, I mean, not the Council. At the same time, will you allow me to say how much I appreciate the many letters of support I have received? I really did not know I had so many friends until Mr. Wolff reminded me of them. They want a big fight; I hope there will be a big fight. No one can blame me for wanting such a vote of confidence as will kill, once and for all, any question in future of "tactics" in pharmacy. I want votes, lots of them, not because I have any desire to pander for popularity, but because I am entitled, in this election, to a straight vote on a personal issue as vital to pharmacy as to myself.

Yours faithfully,

York.

FRANK G. HINES.

Tea-seed Oil.

SIR,—I am pleased to notice that, under the title of "Tea-seed oil as an adulterant," you draw attention to the adulteration of clive oil (C. & D., February 28, p. 91). By the kindness of Mr. Leon Frenkel, 10 Lime Street, E.C. 3, I obtained a copy of the report published by the French chemist Millau, and I quite agree with you that the figures for fatty acids and the solidification by means of nitrous vapours, which Millau claims as conclusive tests for the detection of tea-seed oil in olive oil, are of no analytical value. One should not, however, be under the impression that there are no means at present of detecting the adulteration of olive oil with tea-seed oil. I have carried out a number of experiments lately on olive oils adulterated with crude and refined tea-seed oil, and I came to the conclusion that the following test gives satisfactory results:

Prepare a mixture of concentrated nitric acid, concentrated sulphuric acid and water, equal parts by weight. Of this mixture 10 c.c. is well shaken in a test-tube with 10 c.c. of the oil to be analysed, and placed in boiling water for twenty minutes. Should any tea-seed oil be present the oil layer changes to a cherry-red colour. The colour varies with the amount and quality of tea-seed oil present, the crude oil gives a deeper colour. When cool, samples of pure olive oil solidify to a yellow, nearly white, mass, while the adulerated oil remains liquid or semi-solid, according to the amount of tea-seed oil present, having the characteristic colour.

When the tea-seed oil is less than 20 per cent, it is better to work on 50 c.c. of oil and 30 c.c. of the acid mixture. I have tried this test on samples of pure olive oil from different sources, and in no case have I obtained a positive reaction, but other vegetable oils, such as cotton-seed, sesame, etc., give the same reaction as tea-seed oil, and should be looked for. As the majority of olive oils at present on the market are grossly adulterated with tea-seed oil, especially the French and Italian. I hope that public analysts will take the matter in hand and put a stop to this fraudulent practice.

Yours faithfully,

Jules Cofman-Nicoresti.

The Analytical Laboratories,
Apothecaries' Hall,
Blackfriars, London, E.C. 4.

The Cost of Chemists' Labour.

SIR,—"Jay Mack" is always interesting, and I have enjoyed his latest epistle. But, with regard to his figures, what are an employer, qualified assistant, porter, and boy doing in a shop turning over less than 40l. a week? He allows 80l. a year for porter and boy—deduct 10s. 6d. a week for boy, and that leaves 1l. for the porter. Surely an imaginary figure, and one that no employer would dream of asking a man to accept. For even chemists' employés need a modicum of food to eat, and if they go without clothes in public they court imprisonment.

Yours faithfully,

H. G. (13/3.)

Sir,—After reading "Jay Mack's" three modest axioms as to his capabilities, the only thing left to the other incompetents is to write Q.E.D. to his letter. But there are just one or two points he does not enlighten us on, although carefully drawing a picture of a business where the expenses exactly tally with gross profits. First, he does not tell us if he pays his own salary as manager and organiser out of the 5 per cent.; secondly, he does not give us the percentage increase of his employes' wages compared to pre-war rates; and, thirdly, he has left out the 400 per cent. improved business he spoke of before. A 1,000*l*. business in 1914 would be approximately 20*l*. a week, and would never have required two qualified men, a porter, and a boy—that is, if they made any pretence to serious work. In my own experience in pre-war times as manager of a branch doing an average of 22l. a week, chiefly dispensing and photographic, I had a girl for developing and packing in spare time and one boy, and we were certainly not overworked. Whether a 1,000% pre-war business is comparable to a 2,000% business now is a debatable question, as the price of patents, which constitute a large portion of turnover, can only increase to the maximum covered by the stamp duties, and this is not double the pre-war price; whether this is balanced by such things as photographic plates, which have advanced more than double, depends entirely on the class of business done. In "Jay Mack's" estimate of expenses he fixes wages at 400%, or 20 per cent. of gross turnover, and, to sum up, I should say that his 5 per cent. was too low for ordinary mortals; but, on the other hand, 20 per cent is too high, and what is wanted is a careful investigation of figures in which a working owner puts his own salary first, as it should be. In this connection it may be remarked that during the war the shortage of labour reduced the number of employés in many establishments, and the proprietors, finding they could manage with less staff, will probably carry on with Yours faithfully,

MUTUALITY. (19/20.) SIR,—The discussions anent pricing, overhead charges, and timing Insurance and private dispensing, which now bulk largely in the C. & D., are healthy signs, and go to prove that the present generation of chemists is out to make business a paying proposition. Anyone who reads the letters in the C. & D. cannot fail to gather useful information regarding the ever-changing cost of carrying on business. One thing which particularly struck me in "Jay Mack's" letter (C. & D.), March 13, page 75) was the loss entailed in weighing and packing. This is a vital point, and due allowance ought to be made for it in all price lists; but one doubts whether the compilers of present-day price lists can afford sufficient time to consider the comprehensive phrase "overhead charges." It would be both educative and interesting to learn the views of your readers as to what is meant by "overhead charges." Certain it is that our prices must be substantially increased in order to meet the ever-rising costs to which we are peculiarly subjected. If we are to retain our hold on pharmacy and maintain it as a remunerative calling we must see to it that the "labourer is worthy of his Yours truly, Scotus. (18/3.)

The Outlook in the Drug-trade.

SIR,—The various items of news and the correspondence in the current issue of the C. & D. on the outlook in the drug trade lead one seriously to think what will be the position of all the students now at the schools in a year

or two's time, when the bulk of them should have been successful in obtaining their qualifications. We read that the schools are at present full to overflowing, and that for next winter's session there are as many students waiting to receive the Government grant as there are at present studying; then there are the applicants under the new by-law, and the drug-store proprietors are promoting a Bill for registration without examination, the R.A.M.C. are advertising for men to train for qualification, and in fact at the present time all roads lead to Rome. But what the travellers will find on arrival is another matter. In pre-war days the ratio of qualified men to the number of berths available was, I believe, slightly in favour of the applicants—that is to say, there were about 1 or 2 per cent. more situations open than wanted, so that there was just sufficient state of flux to keep salaries at a reasonable rate. It is only right that ex-Service men should have first claim on any calling, but in justice to the men themselves it should be pointed out that the trade is not an El Dorado, and if it be swamped by an influx of men in numbers too large to be absorbed, it is not helping them to earn a living wage. In this event one of two things is likely to happen-either the competition to secure situations will bring wages down below the level of those at present paid to dustmen and scavengers, or the trade unions will have achieved their object in fixing a minimum scale, when the employers will engage the smallest modicum of qualified labour and fill up with female or unskilled hands. And even men who have a small capital should think well before plunging into the drug trade. In the C. & D. book on "Opening a Pharmacy," the amount taken in pre-war times to stock and fit up a small pharmacy was 400%. How far would this go to-day? And prices are advancing still more rapidly than before. I see that one of your correspondents, "Micawber" (C. & D., March 6, p. 97), suggests that the Pharmaceutical Society should get some idea as to the number of qualified men required. Is he not asking the Society to kill the goose that laid the golden egg? Yours faithfully, GOLDEN ONE. (81/97.)

Chemists' Profits.

SIR,-Looking back over the last few years, it seems hardly creditable that chemists should be still grinding and struggling on at the same old meagre profits. Do they realise what their increased overhead expenses mean to them? Do they realise that increased rates, taxes, wages, insurances, etc., are more in proportion to turn-over than before the war? Do they realise that the wholesaler has his costing department, and that wholesale prices are based on cost plus overhead charges, so that the wholesaler gets his profit in proportion, at the pre-war standard? The Government figures tell us that wholesale prices in England have risen 170 per cent., and that retail prices have risen only 130 per cent. These figures tell their own story. Retailers have not charged the public the full increase in their costs. In the matter of dispensing, we have recently had considerable argument concerning the cost of same. I do not propose to criticise any of the costing systems here, but it seems to me that chemists as a body are still loth to increase their dispensing charges, although they grumble and say dispensing does not pay. Taking the old flat rate of 1s. 3d. to 1s. 6d. for a 6-oz. mixture, for instance, and the Government estimate of 130 per cent. increase in retail prices, we should now charge 2s. 9d. to 3s. 6d. for the same thing. I wonder if there is a single town in this country where a charge equivalent to this is made, or even where all the chemists would agree together to make a standard minimum charge of 2s. 6d. One of the London stores is still charging 1s. 3d. (the pre-war price) for a mixture, the ingredients of which cost at present 28. 2d. In the matter of proprietaries, it is still more serious. A certain proprietary which used to cost 12s. dozen and retail at 1s. 1d. now costs 14s. dozen and retails at 1s. 3d. One penny gross profit in each case; in relation to turnover the profit is one-fifth less. There are numbers of patents which yield no better terms than that. Has it ever dawned on the chemist what it costs to serve each customer? It will differ slightly, of course, in each individual business; but I think if he works out his ex-

penses, hours of working, etc., he will find it averages about 3d. per customer. In South Africa 3d. is the In South Africa 3d. is the smallest coin used, and three pennyworth is the smallest quantity sold; and so it should be here. In present circumstances we ought not to sell less than three penny-worth of anything. The Proprietary Articles Trade Association's minimum profit of 20 per cent. is, under present. conditions, so inadequate as to be almost ridiculous. The recent surcharge has caused us to consider this question rather closer still. If chemists are to continue selling proprietaries from a business point of view, instead of for mere philanthropy, then some pressure must be brought to bear on the P.A.T.A. to increase its minimum profit on turnover to at least $33\frac{1}{3}$ per cent. Some patents are quick sellers, and some slow; but what may sell quickly in one district probably sells slowly in another, so it averages itself to a certain extent. One large firm of wholesale and retail chemists, who had several tussles with the Profiteering Committee, proved the reasonableness of charging a sum yielding an adequate profit, yet they only allowed the retailers who handle their specialities 20 per cent. I can only assume that their motto is "Charity begins at home." Now that new legislation regarding patent medicines is pending, it is an opportune moment for manufacturers and the P.A.T.A. to reconsider their terms on a mutually satisfactory basis. The retail section on the P.A.T.A. seems to have been outbalanced by the wholesalers on the surcharge question, which shows that it is essential for retailers to be much more strongly represented on the P.A.T.A. than they are at present. We may also expect legislation in the near future for improving the conditions of labour, curtailing shop hours, standard wages, etc., which will all increase the expenditure in relation to turnover. Do chemists realise this, and are they prepared to meet it? They cannot at present profits. The only way by which we can expect a remedy is by bringing these matters before our local associations, who in their turn must bring pressure on the county and central committees. By unity we can exert strength, and it is only by unity we can achieve what is necessary to the well-being of our craft.

or crait.
Yours faithfully,
ARGON. (16/3.)

Surcharge on Patents.

SIR,—I wonder how many chemists are aware what the surcharge on P.A.T.A. goods amounts to since March 1? I am surprised not to see a word of protest in your Correspondence Column after the fuss made over the 11 per cent. surcharge. This is a sample of one invoice with the surcharge on small quantities working out at $\frac{1}{2}d$, or 1d, an article.

,	P.A.T.A.	Charged
1s. 3d. Kay's Essenee 1s. 3d. Woodward's Gripe-water 1s. 3d. Evans' Pastilles 2s. 0d. Phosferine 3s. 0d. Sanacine 1s. 3d. Bishop's Varalettes 1s. 3d. Langdale's Essence 1s. 3d. Crosby's Elixir 10½d. New Skin	s. d. 12 6 12 8 12 0 32 0 32 0 12 0 12 0 12 6 8 5	s. d. 13 0 13 0 12 9 33 0 33 0 12 2 12 2 12 8 8 8

I will not go into the matter of the justification of the charge, but if this is the way the Proprietary Articles Trade Association allows us to be treated I can see the end Yours faithfully, J. T. W. (16/3.) of it.

SIR.—Chemists will do well to check this charge. The 14 per cent, is added to cash invoice, and by this means the surcharge is considerably increased. The fair way (if one can call such a charge fair in any way) would be to add this 1; per cent. to the total of the invoices on the monthly statement. By adding it to each small invoice I find the surcharge amounts to from onefifth to a quarter more than it should do.

Yours, etc. VIGILANT. (8/3.) Profiteering Charges.

SIR,-The various adjournments and resignations of Profiteering Committees in different parts of the country go to prove that retailers, as a general body, are not culpable of profiteering, and that the great outcry against them when the Act was introduced was unfounded. But the resolutions passed at the conference of chairmen held at Westminster (C. & D., February 7, p. 69) require to be carefully watched, especially Nos. 3 and 5. Resolution No. 5 in particular aims at removing the only safeguard which the retailer has at present; he is, under the Act, put to all the expense and inconvenience of defending himself against promiscuous complaints, with no damages when proved innocent, and no compensation when the complainant fails to appear, and if sub-section 2 is removed he is at the mercy of the Committee as well. The various figures and details published lately show that a small shop, to pay expenses and a living profit, must make at least 35½ per cent. on the selling price when dealing in small goods and broken bulk, and if Committees are to be allowed to fix the margin of profit, as suggested in Bermondsey, by the reports that have been published in several cases it is likely to be about 12½ per cent on cost price, which would render business unworkable. Resolution No. 3, which recommends that the current market value should be excluded, means that the profit would be estimated on invoice cost; this would bring about a state of terrible confusion, as a retailer may have ordered a bulk quantity from the manufacturer, and while waiting delivery may obtain small supplies from one or two wholesale houses, so that eventually he may have at the same moment items of the same article bought at three different prices, and three consecutive customers would be charged different rates. At the present time the calling of a pharmacist is more burdened by regulations than any other trade I can think of; we have the Profiteering Act, Sale of Food and Drugs Act, Weights and Measures Act, Sale of Poisons Acts, Shop Hours Act (complicated by the supply of medicine), Venereal Disease Act, Medicine Stamp Act, Insurance Act, and complicated questions connected with the sale of methylated spirit, wine, rebate on medicinal spirit, etc.; in fact, there are so many to think of that it is wonderful that we are not caught napping more frequently than at present, and I am almost tempted to re-christen myself

Verboten. (180/25.) VERBOTEN. (180/25.)

Legal Queries.

G. H. C. (11/3).—Hair-washes containing tincture of cantharides are poisons in Part II. of the Poison Schedule, and may only be sold by registered chemists.

H. W. (189/5).—From the wording of the agreement which you quote we think the manager is entitled to his bonus after the 10 per cent. dividend has been paid. Income-tax cannot be charged against profits before paying this 10 per cent. under the agreement.

Qualified (18/3).—Registered druggists in Ireland may not call themselves chemists and druggists, this title being reserved to those druggists who used the title before the passing of the Pharmacy Act (Ireland), 1875, Amendment Act, 1890.

T. B. N. (14/3).—The rights of medical practitioners to keep open shop for retailing, dispensing, or compounding poison are in Ireland expressly reserved by Section 30 of the Pharmacy Act (Ireland), 1875, and Section 17 of the Pharmacy Act (Ireland), 1875, Amendment Act, 1890. If a medical practitioner has been registered after 1875 it is required that his course must have included an examination in pharmacy before he can act as a pharmaceutical chemist.

S. P. S. (8/3).—An electricity supply company wired 'A's house for an electric-light installation free of charge. 'A signed a form which provided that the installation should remain the property of the company. B took over

the premises from A, and during the nine years of B's occupation no fresh arrangement was made in regard to the installation. B has recently sold the premises to C, and the company now calls upon C either to pay a rent for or to purchase the installation, failing which the company threatens to disconnect the supply of current. Is the company's attitude justified? [Without seeing the form signed by A it is impossible to reply definitely to the inquiry. It is evident, however, that the installation is the company's property and the company has in all probability reserved the right to call for payment in respect of it, and to enforce payment by withholding the supply of electricity.]

C. B. (196/29) asks how he stands as to liability to incomertax. He was demobilised September 26, 1919, with a pension of 13s. 10d. per week, since increased to 15s. 6d. per week. He has a wife and three small children; his income is made up of wages, as manager of a business, 4l. 15s. per week (with house, gas, etc.) and commission due next September, which he estimates at 35l. for the year. [As the income-tax authorities make the concession to ex-Service men that they shall be assessed to income-tax on the average of the three years prior to the year of assessment, we cannot say exactly how "C. B." stands in this regard, as he does not give the figures for those years. But taking the facts he has given, the position, seeing that he is entitled to Service abatement and rates, is this: His income is under 300l., as he is not assessable on his disablement pension, and no account is taken of anything besides, except the cash wages and commission; and as he is entitled to the following allowances and abatement, 50l. for wife, 90l. for children, and 160l. pre-war abatement—in all, 300l.—he does not appear to be liable to pay any income-tax in the current year.]

Inquisitive (31/3), residing abroad, makes cheap hair preparations, which he intends to introduce into the English market. Should this be a success he would like in future to make the preparations in England, and, referring to reply to "Vectus" (C. & D., January 17, p. 75), he wishes to know how he can get industrial spirit and obtain permission to use it. He also asks what is meant by a "proprietary" article and what his position would be as an importer in England of preparations made abroad with spirit. [By "industrial spirit" our correspondent should understand "industrial methylated spirit" is meant. Such spirit can in this country only be made by licensed methylators in approved premises, the operation of mixing ordinary spirits (ethylalcohol) with officially approved denaturant (wood naphtha) being carried out under close and continuous supervision of Revenue officers. "Inquisitive" should apply to the Secretary of the Commissioners of Customs and Excise, Custom House, London, E.C. 3, for a form of application to be allowed to receive industrial methylated spirit for use in making hair preparations in the United Kingdom. He will see that the form provides for a full disclosure of the formulas of the preparations proposed to be made. The authorities will tell him whether his application will be allowed or not. He must not, however, expect to get permission to receive methylated spirit for use as proposed by him until he is in a position to state where it is proposed to use it; but we have no doubt that the Commissioners will give him all the information he desires to have in order to enable him to form an opinion as to whether or not he can comply with the Revenue regulations. An article is regarded as proprietary when the maker of it labels the preparation as "Jones's Brilliantine," for example—i.e., using the English form of the possessive case. Articles on the P.A.T.A. list are articles which are made by members of the Proprietary Articles Traders' Association, who fix the minimum price at which such articles may be sold either by themselves or by the actual vendors to the public. If "Inquisitive" made his preparations abroad and imported them into this country spirit duty would be chargeable on the imported articles according to the quantity of spirit present in each consignment.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

J. M. W. L. (54/23).—There is no registered formula for a "known, admitted, and approved" remedy with the number you give. Have you copied the reference correctly?

H. G. P. (197/38).—Effereescing Granules.—The method of preparing and medicating effereescing granules is a simple one if that devised by Mr. Lunan is followed. The base required is made thus:

Sodium bicarbonate, in dry powder 55 oz.

Tartaric acid, in dry powder Citric acid, in powder from uneffloresced crystals ... 21 oz.

General process: Mix the sodium bicarbonate, the sugar or glucide, and the medicament when present; pass them through a No. 20 to No. 30 incorrodible sieve, subject the acids previously mixed to the same process, and thoroughly mix the two sifted powders. Place the mixed powders in layers on a suitable dish, pan, or glass tray, heated to between 75° and 85° C. if required, but not to exceed the latter temperature. When the mass, by means of proper manipulative kneading and compression, has assumed a uniformly plastic condition, suitable for granulation, rub it through a No. 5 to No. 10 incorrodible sieve, according to the size of granule desired and most adapted to the special effervescent preparation. Dry the granules at a temperature not exceeding 50° C. The product (without medicament) should weigh about 95 oz.

This base, you will observe, leaves room for the medi-

caments such as you desire to add.

W. M. (200/70).—Dental Amalgam.—Years ago the alloys for amalgam fillings were made in the workroom by melting together silver (60), tin (30), copper (3), and zinc (2), and filing up the resulting ingot. Silver coins were also used, but the product varied owing to oxidation, and contraction or expansion of the filling resulted. Nowadays dentists depend upon the manufacturers, who prepare the alloys in closed electric furnaces, and the metals are fused in an atmosphere of hydrogen, precautions being taken to prevent separation on cooling. In this way a standardised homogeneous product is obtained. The amalgam is made by mixing 10 grains of the alloy and 14 grains of mercury in a glass mortar. The small excess of mercury is squeezed out and the paste is inserted in the previously prepared and dried cavity with amalgam-pluggers as quickly as possible, keeping away the saliva until the operation is finished.

N. B. (188/74).—Flux for Brazing Brass.—The sample you send of a pale-blue powder consists essentially of borax. The colour is probably due to a trace of cobalt.

E. L. V. T. (164/12).—Vanishing Cloth.—This is the name given to a product used for transferring embroidery on to material. When no longer required the vanishing cloth is treated with a hot flat-iron, which chars it so that the fabric can be brushed away. The sample submitted was too small for any comprehensive examination. It was found to consist of a matting together of short cotton fibres which turn blue with iodine, but there appears to be no soluble starch. The fabric disintegrates very easily with dilute acid, but not nearly so easily with dilute alkali. A fluosilicate was suspected, but tests made on a small portion were with negative result. A little boric acid or borax is present.

Imperialist (182/34).—CATTLE DIARRHŒA POWDER.—This appears to consist, in the main, of prepared chalk, and the coloured constituent is probably Armenian bole. There is very little organic matter of any kind, and probably only such as is usually associated with the ingredients named.

- E. S. (15/3):—Ince's "Elementary Dispensing Practice" (C. & D. Office, 3s. 6d.) is a suitable book for an apprentice. There is no book eovering all the subjects of pharmaceutical studies, but elementary works on botany, chemistry, and physics are good for beginners. A list was given in the Educational Number (August 16, 1919).
- A. C. G. (India).—The demand for dispensers is fully met in this country. In addition, there are many women with dispensing experience who are unable to obtain suitable employment. It would be inadvisable for you, with your qualification, to come to England on the chance of obtaining a position,
- E. P. (15/3).—The Phoenix in Pharmacy.—The connection between the phoenix and pharmacy has been raised several times during the history of The Chemist and Druggist, but never satisfactorily explained. One explanation is that at the time of the foundation of the C. & D. pharmacy was on the down-grade and needed reviving. In this sense the C. & D. played the part of the phoenix. As a matter of fact, the fabled bird was, as a symbol, employed by alchemists, whose representatives are now chemists and druggists—the modern practitioners of the oldest branch of applied chemistry.

Heaton (15/3).—Non-greasy Hair-cream.—The addition of a small proportion of simple tincture of benzoin imparts additional whiteness to a tragacanth hair-cream.

F. F. C. (14/3).—(1) CLEANING PIANO-KEYS.—The grease is first removed by means of a rag soaked in benzene, and then prepared chalk moistened with ammonia and methylated spirit is applied. Bleaching by means of hydrogen peroxide can only be carried out successfully if the ivory is detached from the keys. (2) COLOURING BILLIARD-BALLS.—The following process, given in "Pharmaceutical Formulas," is good:

First: Wash the ball by immersing in benzine for a few minutes; take it out, pour some benzine over it, and

wipe dry.

Second: Dip it in an acid bath—30 drops of nitromuriate of tin solution to 3 oz. of water. Allow to remain the bath for a few minutes.

Third: Give it the dye-bath.

The colours used are alcoholic solutions of aniline dyes.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," March 15, 1870

On Cold Cream.
By J. B. Moore, Philadelphia.

Ceratim Galeni, Unguentum Refrigerans, or Cold Cream, as it is more popularly known, is of more ancient origin than many would suppose, having been invented by that learned and distinguished physician, Claude Galen, who was born at Pergamos, in Asia Minor, A.D. 131. The formula of this popular ointment has undergone many transformations since its birth, more, perhaps, than that of any other preparation in our official list. In fact, almost every one has his own peculiar way of making Cold Cream, and there are but few pharmacists who prepare this time-honoured ointment by the same recipe. Besides the numerous formulas that have been published in the various pharmaceutical journals, I find collected together, in the "Pharmacopeia Universalis," edition 1833, from the various Pharmacopeias of the world and other sources, not less than twenty-six. Nearly all of the old formulas contain lard as the base; a few have the addition of wax and suct. The first mention that I have found of the employment of the oil of sweet almonds and spermaceti is in Coxe's "American Dispensatory," edition 1831. In a note, the author says: "Under the name of unguentum aquæ rosæ, the U.S. Pharm., and of Phil., direct two ounces of oil of almonds, half an ounce of spermaceti, and one drachm of white wax, to be melted in a water-bath, and two ounces of vose-water; to be stirred till the mixture is cold. The New York Pharm has, we think, done well to discard such trumpery, at least, under any supposition of the two ounces of rose-water being medicinal." So I presume that the present almost universal mode of making this ointment of oil of sweet almonds, spermaceti, etc., is the offspring of our own Pharmacopeia.

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In consequence of the ever-increasing costs of raw material, manufacturing and labour, we reluctantly beg to announce a slight but necessary increase in the Retail Selling Prices of the above "Ciba" Brand products. The following New Rates will therefore come into operation on March 1, 1920, and will be reduced again at such time as the costs permit.

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Boxes of 50 ,,	,,	 7/6	5/6
Boxes of 2×50 ,	,,	 14/-	11/-

N.B.—The prices to Hospitals and Asylums only will remain as heretofore: 500-26/3; 1000-50/6 less 10 % discount. Same units to dispensing chemists at above prices nett.

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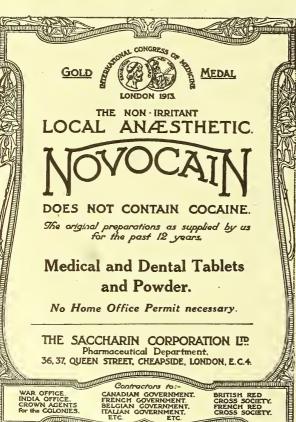
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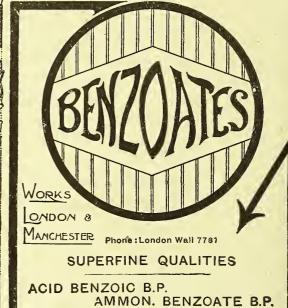
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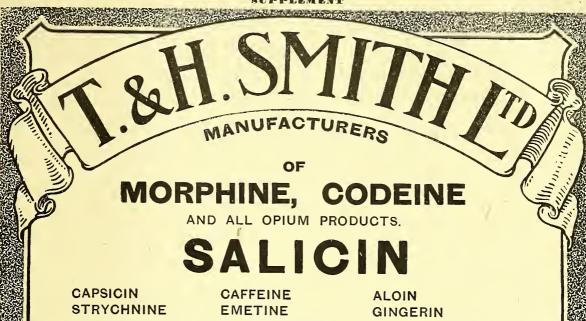


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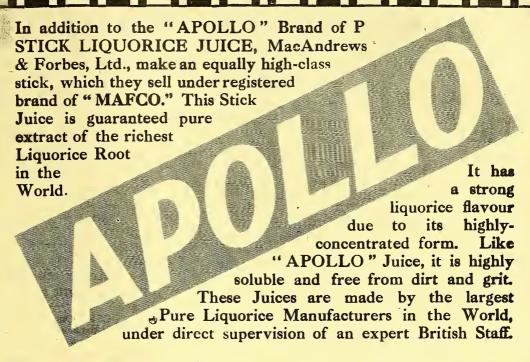
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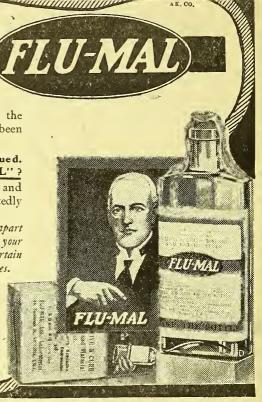
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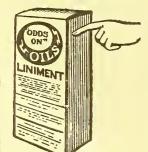
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Constipation, Enteritis, Hæmorrhoids, Indigestion, Skin Blemishes, &c.

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Dose: - One teaspoonful.

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In bottles containing 210 c.c. per bottle 3/9 Dose: -- One tablespoonful.

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Thyroids, Tablets U.S.P. Standardised.

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IN BULK, JARS OR TINS.

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Bishop's Natural Fruit Saline is taken regularly with pleasure and safety by men, women and children all the year round. This steady demand makes it a profitable winter line. It keeps perfectly in all climates.

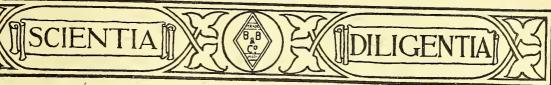
The Wholesale price is 20/- per doz. On £5 lots, discount 10%, and carriage paid.

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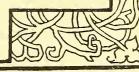
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ONLY SHOW THEM.
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LINSEED, LIQUORICE and CHLORODYNE.

The best and strongest on the market.

2/8 per lb., Packed in 4lb. tins.

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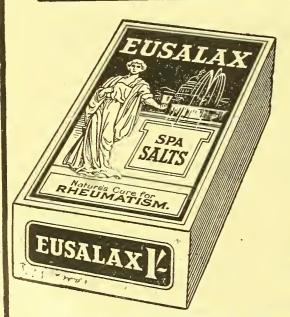
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"EUSALAX" is a careful and scientific combination of the beneficent mineral salts of some of the most famous Continental spas. It is one of the greatest solvents of Uric Acid, a natural stimulant to the liver, kidneys and intestines, and a sure blood purifier.

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PRICES,

Their use is widely endorsed by the Medical Profession, Medical Papers and Institutions. Neave's is the oldest of all infants' foods, and has been sold all over the world for nearly a century.

NEAVE'S FOOD (Cereal)

Prepared with Milk as directed forms a complete diet for Infants, Growing Children, Invalids and the Aged.

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For Expectant and Nursing Mothers, Invalids and Dyspeptics.

2/- Tins (containing 12-oz. net), 18/8 per dozen net.

6/- ,, 36 ,, ,, **56**/- ,,

Terms: As for Neave's Milk Food.

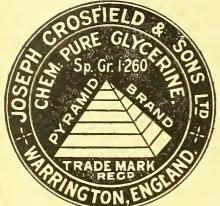
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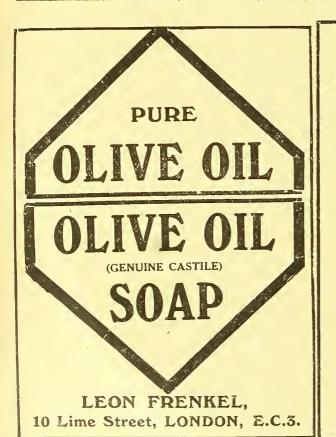


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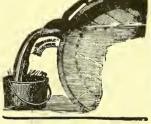
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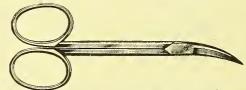
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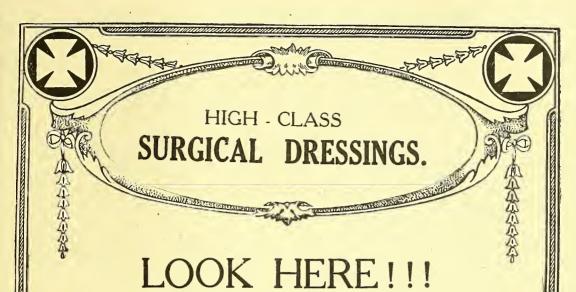
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1025/



Extract from Manchester Guardian, January 27, 1920.

The Ministry of Health have, however, kept under close observation the records of epidemic sickness at home and abroad, and in view of the almost simultaneous increase of influenza in great American cities, in Europe (Poland), and also in the Far East (Japan), the Ministry consider that there is considerable probability of another wave of influenza developing in this country at an early date.

This may be due to direct introduction by infected persons arriving from abroad, or to the independent development of the epidemic from the influenza usually present.

YOU WILL DO YOURSELF NO END OF GOOD IF YOU ARE READY FOR THE EMERGENCY.

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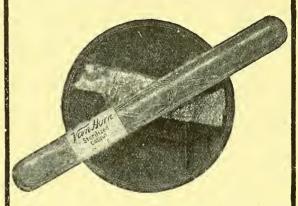
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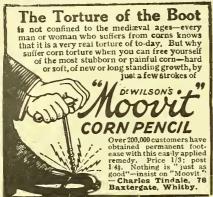
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Style of Advert. in Local Paper.



Your Business advertised FREE for 12 months

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Sole Manufacturers:

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Order a big stock now. Give a window display and get the full benefit from this advertising. A parcel of three dozen assorted Sponges will show you 331 % profit.

YOUR WHOLESALER CAN SUPPLY.

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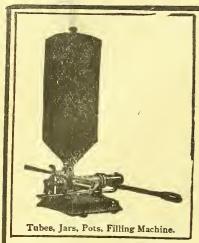
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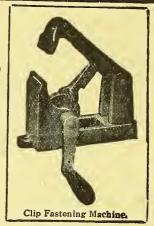
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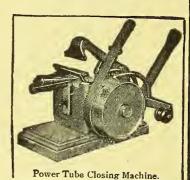
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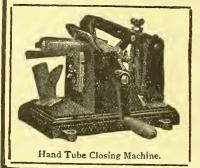
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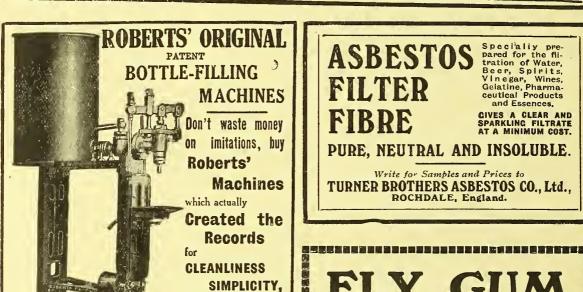
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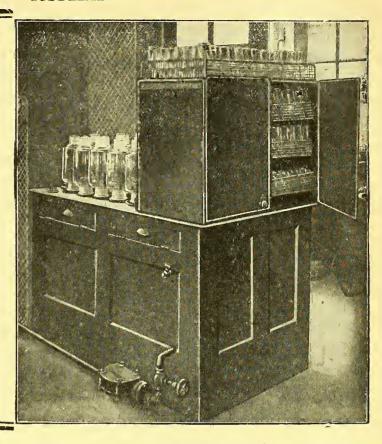
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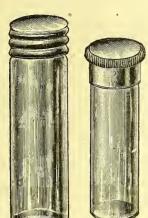
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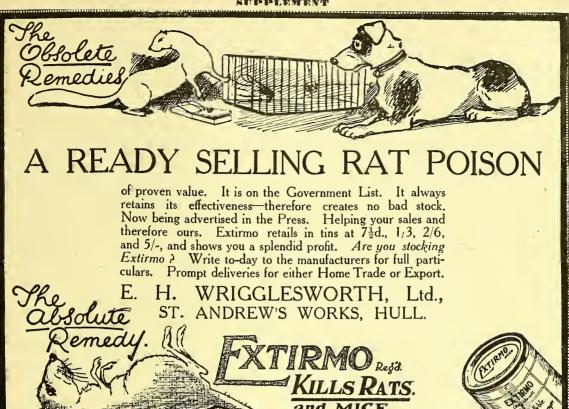
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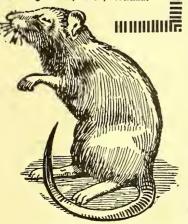
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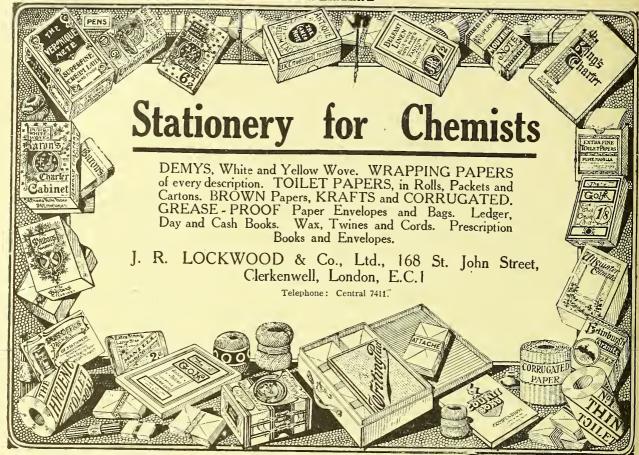
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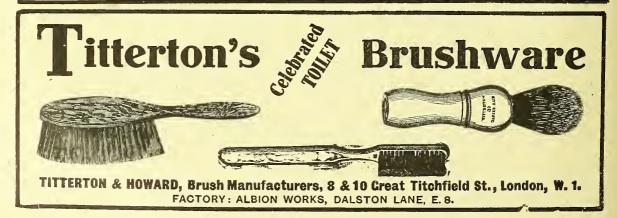
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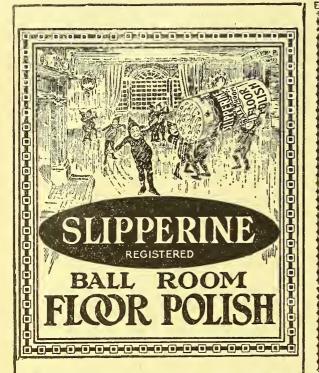
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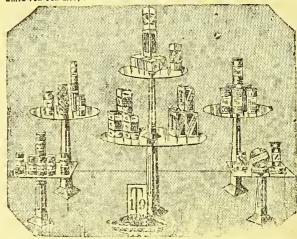


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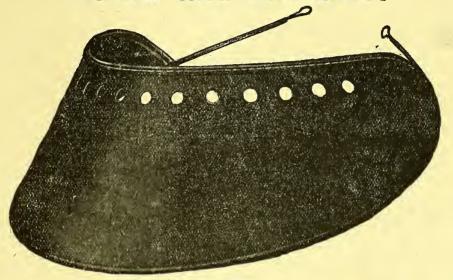


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POR immediate disposal, Stock and Fixtures of small Drug Store (mostly good-class Toilet articles and sundries; suitable for opening store in country district; also building in wood with studio which could easily be removed. Apply Walker, Drug Stores, Prees Heath Camp, Salop.

GRANITE-END Runner Mill, by Fuller, of Birmingham; No. 7 size, with sifter; splendid condition. Apply 65/5, Office of this Paper.

HANDSOME Mahogany and Plate-glass Sponge Display Case, length 3 ft., breadth 1 ft. 10 in., height 1 ft. 9 in., on carved legs and castors, opens at top, £8; 4-ft. Oak Roll-top Desk, fitted 6 drawers and inner stationery racks, drawers, etc., £14; 4 5-gallon Carboys, 3 cut, 1 plain stopper, 50s. the four. H. Lester, M.P.S., 64 Great Titchfield Street, London, W.1.

TORAULIC Tincture Press, capacity 2½ gallons, complete with Pressure Gauge; also Power Whisk (Morton's patent), capacity 4½ gallons. C. Mumby & Co., Ltd., 48 High Street, Gosport.

ONE 1-gall. Tube-filling Machine, tinned brass receiver and tinned plunger; works by side handle and geared bevelled cogs; suitable for Tooth-paste, Pomade, Hongroise, etc., hard or soft; condition as new; perfect working order; price £10 10s. Apply 74/29, Office of this Paper.

New Yell 28, Olice of this Paper.

O VER-STOCK.—8 × 1-gall, sealed tins Pure Nut Oil, 18s. per gallon (tins returnable at 1s. 3d. each); about 6 drachms Urotropin, 4s. all; 6 doz. 1s. 3d. Erasmic Tooth Paste, 8s. 3d. per doz.; 20 × 2-lb. tins, sealed, Peppermint Tablets, curiously strong, 2s. 4d. per lb.; 9 doz. Henry's Poudre de Riz Natur, 3s. doz.; 3 gross Eusaline, packed as Scidlitz Powders, 13s. 6d. gross; 1 gross Salts Sarsaparilla Senna, 2d. packets, 8s.; å doz., 2s. 9d., å doz., 1s. 1åd., Miol (stamped), 5s. all; 8 × 16-oz., 48 × 4-oz., 48 × 2-oz. Vigorol, £4 10s. the lot; about 12 oz. Bismuth. Charcoal Lozenges, jar, 2s. 6d. Siberberg's Drug Stores, 79 Christian Street, London, E. 1.

ALE, £10 worth Rapid Steel Safety Razors, 50% off, new;
12 each 38. 9d., 58. 6d. Fort-Reviver, offers wanted; also
1 lb. Resin Podophyllin, 14 lb. Powdered Gelatin, 38. lb. Apply
72/40, Office of this Paper.

NABLET Bottles; Numbers 3, 4, and 7, for Sale; approximately 25 gross each. Offers to 60/17, Office of this Paper.

WHAT Offers? Kodak Transfer Box, to fit any Film; four Tanks **V** V complete, $2 \times 3\frac{1}{2}$ in., 1×5 in., and 1×7 in. (73/4), Office of this Paper.

WINDOW Enclosure for Sale; height 3½ ft., depth 2 ft., length 13 ft.; fitted with four glass shelves and iron brackets, supports, and 2 × 5-gall Carboys; £7 10s. the lot or reasonable offer. Slade, 3 Station Parade, Kew Gardens.

GROSS Curved Cuticle Scissors; 21s. a doz. Evans, Chemist, New Eltham.

TENDERS.

GUY'S HOSPITAL, S.E. 1.

THE House Committee invite Tenders for the supply of Drugs for prompt delivery. A list of these, with further particulars, and form of Tender, may be obtained at the Superntendent's Office. Tenders duly scaled are to be sent to the Superintendent's Office not later than 12 noon Monday, Morch Office. March 29th.

PREMISES FOR SALE.

PREMISES FOR SALE.

CHEMIST'S Shop, 129 Lark Lane, Liverpool; rent £75 per annum, together with Confectioner's Shop, 129a Lark Lane, rent £25 per annum, and Dwelling-house, 38 Linnet Lane, rent

\$45 per annum.
All occupied on quarterly tenancies, tenants paying rates.
Price for the whole £3,300.
For further particulars apply Exors. of Wm. Hall, 60 Christian

Street, Liverpool.

PARTNERSHIPS.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

A GENTLEMAN possessing the highest scientific qualifications and with extensive and successful experience in the manufacture of Alkaloids, fine Chemicals, and fine Pharmaceutical Products, desires to negotiate with well-established Pharmaceutical house having sound home, foreign and colonial connection, with a view to an active Partnership. Address "Alpha," Reynolds & Sons, Solicitors, 7 Arundel Street, Strand, London, W.C.

A CTIVE Partnership or position required in Wholesale in Manohester or district; advertiser is qualified, age 32, married, and has disposed of business owned by him for last ten years; willing to invest £1,000. Apply 66/39, Office of this Paper.

A SSISTANT, unqualified, small capital, smart, energetic, capable, 12 years' experience Retail, requires partnership with M.P.S. Reply "B. S.," 18 Warwick Grove, Surbiton.

QUALIFIED Chemist is desirous of meeting with one or two others to take up the holding of outgoing partners; capital required £5,000 to £10,000; established Wholesale Business; persons with outside experience and connection especially considered; no mere inquiries will be replied to. Apply 78/402, Office of this Paper.

WHOLESALE.—Young, qualified Chemist, with capital, wishes to take up responsible position in good Wholesale house. Replies to M 23/3, Office of this Paper.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies aldressed to this Office, and forwarded on payment of an additional charge of 1/-.

BATH.—Smart Assistant for middle-class Light Retail and Dispensing business; outdoors; 48-hour week; no Sunday duty; good progressive salary. Jenkins, Chemist, Bath.

BIRMINGHAM.—Junior qualified Assistant wanted for highelass Dispensing establishment; must have had good experience, and be thoroughly reliable Dispenser. Address, stating age, experience, and salary required, "Apex," e/o Southall Bros. α Barelay, Ltd., Lower Priory, Birmingham.

BIRMINGHAM.—Manager for branch required almost immediately; full particulars, including age, experience, etc. Apply 76/34, Office of this Paper.

BLACKPOOL.—Qualified Assistant required. State when at liberty and usual particulars, with salary (outdoors), to R. Gaulter, 41 Devonshire Road, Blackpool.

CARDIFF.—Good, all-round, unqualified Assistant; single; kuowledge of Photography; permanency offered to suitable man. Apply, with full particulars, photo, salary required, etc., Edwards, 97 Ponteanna Street, Cardiff.

HALIFAX.—Qualified Assistant required; good Window-dresser, smart Counterman; one accustomed to quick Store business; little Dispensing; short hours; no extra duty. State age, height, salary required, and reference to Taylor's (Northern), Ltd., 4 Crown Street, Halifax.

I ONDON, City.—Unqualified Assistant required; must be good this Paper. Apply A/S (25/100), Office of

L ONDON, E.—Qualified Manager required for Light Retail business, with Insurance Dispensing, in a good Suburban district; small house attached; interest in the profits to an energetic and persevering man. Apply Bark (25/101), Office of this Paper.

LONDON, W.—An experienced Assistant (gentleman), about 24, for high-class Dispensing business. W. McEwen, 17 Craven Road, London, W. 2.

MANCHESTER.—Wanted, Junior (at once). Give fullest particulars, references, salary expected (outdoors), and when at liberty, to Henry Tinker, 104 Claremont Road, Pendleton.

MANCHESTER.—Qualified Assistant, mainly for Dispensing, in high-class Pharmacy; one with first-class business experience preferred; state full particulars and salary required. Westmacott & Son, 17 Market Street.

NEAR HAMMERSMITH.—Wanted, a competent Assistant; Light Retail, N.H.I.; usual hours; no Sunday or Thursday evening duty. State age, salary required, and usual particulars, to 73/13, Office of this Paper. NEWPORT, MON.—Unqualified Junior for Stock and Counter; very suitable berth for young man just out of apprenticeship. 58/130, Office of this Paper.

PRESTON.—Qualified Manager required for working-class business; N.H.I. Dispensing; must be good Counterman; liberal interest in the profits. P. 25/102, Office of this Paper.

UNDERLAND.—Qualified Assistant wanted, age about 25, for General Retail and N.H.I.; good Counterman and Window-dresser; hours 8.30 to 7.30, Saturdays 8, Wednesdays 1; no Sunday duty. Full particulars to Cherrett, Ucal Pharmacy, Church Street, Monkwearmouth.

A QUALIFIED Manager required immediately for branch at Dunster, Somerset; Light Retail, Agricultural, Photographic; suit elderly single gentleman, duties being light and neighbourhood healthy. Gadd, Harleyford Road, Vauxhall.

A SSISTANT Improver wanted for middle-class business; must be honest and reliable. Apply personally, or giving full particulars in first letter, to 146 Wandsworth Bridge Road, Fulham, S.W. 6.

A SSISTANT; unqualified; well educated; used to good-class business; must be a quick and accurate Dispenser and experienced in Photographic trade; permanency, with advancement, for suitable applicant. Apply, giving usual particulars, to Hocken, Chemist, Redhill.

A SSISTANT wanted for good class Dispensing business; must be good Dispenser. Please state age, height, experience, and salary required (outdoors) to J. Miller, 4 Victoria Road, Brighton.

CURTIS & CO. have 'vacaucy for girl; must be quick and used to Packing. Apply, with full particulars, to W. G. Jameson, 48 Baker Street, W. 1.

DISPENSER, part-time appointment; Hospital for Women, Brightou; four afternoons a week; no Suuday duty. Applications to be sent to the Clerk, 76 West Street, Brighton, with copies of testimonia's, stating salary required, before Wednesday, 24th March, 1920.

DISPENSER, gentleman, fully qualified, required on 6th April for the Sheffield Royal Hospital; salary £250. Apply, stating age, previous experience, and enclosing copies of testimonials, to the Secretary.

OOD PROSPECTS.—Central London (near Kingsway).—
Wanted, qualified Assistant, about 33; must be gentlemanly, willing, smart, and industrious; Salesmanship essential; London and General experience. Full particulars, age, height, salary, experience (time in each), send photo if possible, "Millbank" (P.C.B. 49/39), Office of this Paper.

JUNIOR Assistant in high-class Dispensing business for Dispensing and Counter work; good appearance and address essential; please state experience and salary expected. Apply P. H. Hall, 13 Clifton Road, Maida Vale, W.

JUNIOR Assistant required (at once) for quick Retail and N.H.I. Dispensing; outdoors. State salary required, with full particulars, to J. Patterson, 52 Ilford Lane, Ilford.

JUNIOR, qualified, wanted for good-class Dispensing; country busiuess; must be energetic and good Salesman. Apply, stating experience, salary required, euclosing references, to 78/14, Office of this Paper.

MALE Dispenser, unmarried, required, shortly, to reside at Surgery; South London; must be capable, reliable, neat, and tactful; furnished rooms and attendance provided. Apply, by letter ouly, stating salary and experience (send no testimonials or photographs), Doctor, 207 Grove Lane, S.E. 5.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist; easy hours; good and progressive salary, with excellent prospects; free removal.

PART-TIME; Thursday and Saturday afternoons, evenings, and Sunday duty; reliable Dispenser. Apply Malden & Co., Ltd., 205 Brompton Road, S.W. 3.

PHOTOGRAPHIC DEALING.—Assistant Salesman required by Doughtys, Kodak and Photographic Specialists, Savile Street, Hull; good prospects to ambitious young man with previous experience; must have knowledge of Stockkeeping, and be able to talk cameras. Write, giving full particulars and salary required, to Hull address.

QUALIFIED Manager for good working-class business in Lancashire town; rare opportunity for an energetic and reliable man able to attract business and take full responsibility; single man preferred. Fullest particulars to "Ribble" (76/11), Office of this Paper.

QUALIFIED Senior; must be good Counterman and Dispenser; young and energetic preferred. Apply personally or by letter, enclosing photo (to be returned), Bennisons, Ltd., 133 King's Road, helsea, S.W. 3.

QUALIFIED man required for small Country business; easy hours; comfortable situation; suit elderly man; indoors. Apply, giving full particulars and salary, to 19/18, Office of this Paper.

QUALIFIED Assistant required immediately for country business; easy hours; comfortable situation. Apply, giving full particulars and salary required, to Gostling & Co., Diss, Norfolk.

THOMPSON & CAPPER, LTD., have a vacancy for an unqualified Assistant. Apply, with photograph, giving full particulars of experience, salary required, etc., to Thompson & Capper, Ltd., Manesty Buildings, College Lane, Liverpool.

UNQUALIFIED Assistant wanted; age under 30; must be of smart appearance, energetic, and have a knowledge of Photography; good Window-dresser essential; highest references required. Apply 78/360, Office of this Paper.

WANTED, unqualified Assistant; age about 25; previous Counter experience necessary; salary £3 10s. per week. Apply 70/37, Office of this Paper.

WANTED, Improver or Junior for three or four months; must be neat, accurate Dispenser; live out. Ward, Chemist, St. Peter's, Broadstairs.

WANTED, young lady Assistant (outdoors), experienced in Dispensing, in small, good-class Retail business; easy hours; no Sunday duty. Apply, stating particulars as to age, experience, reference, salary, etc., Seth Harry, Okehampton, Devon.

WANTED, for few months, qualified Assistant. Apply, stating experience, salary required (outdoors), with references, to Horniblow & Son, Chemists, 29 Sidbury, Worcester.

WANTED, qualified Branch Manager, to live over shop; must be up to date, and possess good references. Apply, stating salary and usual particulars, "Pharmacist," c/o James Woolley, Sons & Co., Victoria Bridge, Manchester.

WHOLESALE.

COST Clerk, young man, who has knowledge of Drug trade; applicants should state age, salary, and particular qualifications for this position. Apply 78/400, Office of this Paper.

PRUG Trade Traveller wanted by well-known Edinburgh house must have good Drug connection in Glasgow and the West generally. Apply, giving full particulars, age, experience, actual ground covered, salary desired, etc., "H." (14/3), Office of this Paper.

FIRST Hand, taotful man, for provincial Wholesale Druggists' Laboratory; used to making of B.P. and other stocks, Mixtures, etc.; able to control output of other workers. Age and particulars to 78/401, Office of this Paper.

POREWOMAN wanted, with experience in handling women staff, also with knowledge of packing and labelling high-class Toilet Specialities; works are at Dollis Hill, N.W., near station; good wages. Apply G. J. W., 60 Bartholomew Close, E.C. 1.

CENTLEMAN, energetic, with really first-class experience of the manufacture of General Pharmaceutical Products and Tablets, as practical Works Manager; Midlands; please state age, experience, and salary, in confidence. Apply 78/40, Office of this Paper.

HIGH-CLASS firm making Toilet Soap and Toilet Specialities are prepared to appoint Representatives all over England dready calling on Chemists; applicants should give full particulars a confidence. Apply "M." (23/2), Office of this Paper.

ABORATORY.—Messrs. Savory & Moore require a Pharmaceutical Laboratory Hand. Apply, stating wages required, tge, experience, and giving references, to Laboratory Manager, 43 New Bond Street, W. 1.

PRINTER, to take charge, wanted (at once) by firm of Wholesale Druggists. Write, stating age, experience, and wages required, to "Printer," 56-9 Bunhill Row, London, E.C.

QUALIFIED Chemist, 25 to about 30, for London Wholesale Druggists as Manager of department; good opening for mart man. Apply, stating experience and salary required, to D. 7/1, Office of this Paper.

UALIFIED Branch Manager wanted by firm of Company Chemists in London, with London experience; commencing alary 26 per week and commission. Apply 78/36, Office of this Paper

DEPRESENTATIVE wanted, with good connection amongst Retail Chemists and Stores in London and suburbs, for ollet Specialities which are about to be extensively advertised; fill command a ready sale everywhere on account of low prices and highest-grade qualities; good commission. Apply, with eferences, to "Toilets" (15/1J), Office of this Paper.

REPRESENTATIVES FOR SALE OF PHOTOGRAPHIC PAPERS.—Kentmere, Ltd., require a few gentlemen, preferably already calling upon Pharmacists, Photographic Dealers, etc., with other non-competitive lines, to sell their Photographic Papers on commission in the following districts; South, East, Midlands, Scotland, and Ireland; definite ground assigned. Kentmere, Ltd., Staveley, Westmorland.

TRAVELLER, with good connection, wanted to carry a few good-selling side-lines in Packed Medicinal Capsules, for Midlands, etc.; liberal commission. Apply 77/14, Office of this Paper.

TRAVELLERS wanted in all districts for Seamless Goods, etc., and other selling lines; large commission. "Bene," c/o Deacon's, Leadenhall Street, E.C. 3.

VINOLIA COMPANY, LIMITED, require a qualified Chemist to act as Assistant Manager; applicants must be experienced in the manufacture, on a large scale, of high-class Toilet Preparations and Perfumery, and be used to the control of staff. Reply, stating full particulars of age, experience, and salary required, to Managing Director, Vinolia Company, Limited, Bebington, near Birkenhead.

WANTED, Travellers; Warwickshire, Gloncestershire, Langashire, Herefordshire, and S.W.; 15 per cent. commission; sound selling lines, Tablets and Lozenges. Apply 71/36, Office of this Paper.

WANTED, Travellers for Morelle's Toilet Preparations; part expenses and good commission; £6 to £8 weekly being earned as a side-line. Apply Morelle's, 79 Brixton Road, London, S.W.

WANTED, Tablet-maker with all-round knowledge of Tablet machinery. Apply by letter, stating experience and wages required, to G. Steven & Co., 118 Chorlton Road, Manchester.

WANTED, experienced youth for Wet Room. Apply Laboratory, Goodall, Backhouse & Co., 7 White Horse Street, Leeds.

WANTED, Junior Clerk, 16-18, for general office work; must be accustomed to telephone and quick at figures. Apply by letter to Hopkin & Williams, Ltd., 16 Cross Street, Hatton Garden, E.C. 1.

WANTED, Traveller, calling on the trade in the country, to take two known Proprietaries of well-known house as an extra commission. Particulars, in confidence, to "Proprietary" (F 11/300), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

CEYLON.—Assistant, unqualified, age 22-28, single, wanted for first-class British business; four years' agreement; passage paid; liberal salary to smart man with good-class Retail Dispensing and Counter experience. Give full particulars of experience, and state present salary, to P.C.B. 48/28, Office of this Paper.

FAR EAST.—A qualified Assistant, not over 30 years of age; must have had experience in first-class Retail and Dispensing business; good salary for the right man; passage paid out and home, on a four years' agreement. Address 76/32, Office of this Paper.

ITALY.—Required, an experienced, qualified Chemist, with a thorough knowledge of Pharmacy, also of Stockkeeping, Ordering, Costing, etc., to assist in general management of a large high-elass Pharmacy; must be neat, orderly, thoroughly systematic, and have good business ideas; previous Continental experience an advantage but not indispensable; unmarried preferred; state age and full experience, with salary required, and enclose photo, which will be returned. Apply 74/38, Office of this Paper.

PARIS.—Qualified Assistant; knowledge of French and Continental experience; outdoors; short hours; no Sunday or night duty; state age, experience, references, and salary required in first letter; permanency, with good prospects, for suitable man; send photograph, which will be returned. Roberts & Co., 5 Rue de la Paix, Paris.

STRAITS SETTLEMENTS.—Young Assistant, unmarried, with Chemist's qualification, a good knowledge of Optics desirable; four years' agreement; passage paid out and home; salary first year £490, second and third years £525, fourth year £560. Apply 140/34, Office of this Paper.

REQUIRED immediately for African Highlands, fully-qualified Dispenser; applications from ex-Naval Sick Bay Stewards or R.A.M.C. N.C.O.'s would be considered. Write "C. B.," e/o J. W. Vickers & Co., Ltd., 5 Nicholas Lane, E.C. 4.

SITUATIONS WANTED.

[HOME.]

RETAIL.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A1.—Smart, capable, and willing Salesmau, good Dispenser, and fairly good Window-dresser; 6 ft. 1 in.; must be in S.W. London or outlying suburbs; please state salary. Apply 73/11, Office of this raper.

A JUNIOR requires situation; first-class Retail, Photographic, and Dispensing experience; good references. Please state hours and salary, "Velox," 86 F. Salusbury Road, Queen's Park, N.W.

A QUALIFIED Chemist, with ability and initiative, Presoriber, Counter, Dispensing, and Photography, previous 8 years Managership, Inghest references, permanency, would undertake temporary or reifer work; London preferred; now disengaged; age 31; married; abstainer. 43 Grafton Road, Acton, W. 3.

A DVERTISER, with excellent London and Provincial experience, desires re-engagement; Counter, Dispensing, Window-dresser, Photographic and Veterinary experience; can take entire charge. P.C.B. 49/35, Office of this Paper.

As Improver by young man aged 20; just demobilised; two years' experience before joining Army; small salary asked. Broad, Cleveland Pharmacy, Bath.

As Locum; London or near preferred, but not essential; references to date; excellent Dispensing and Counter experience, London and provinces; smart, energetic, and capital can be provided if necessary; a permanency entertained; accustomed to Managing or Managing Assistant; Store business not asked for; terms according to hours and situation of Pharmacy. "Spero" (78/5), Office of this Paper.

A SSISTANT (Managing); unqualified; thoroughly competent and reliable; excellent references; married; permanency; London or suburbs, S.W. district preferred. "Alpha," 41 Sclwyn Avenue, Richmond, Surrey.

A SSISTANT; ex-Staff-Sergt. R.A.M.C.; just demobilised; Dispensing throughout war; age 29; married; 12 years' experience; unqualified; abstainer. Full particulars in first letter to "B. S.," 18 Warwick Grove, Surbiton.

A SSISTANT; unqualified; 30; married; 12 years' experience; well up in present prices, Black, 20 Sutton Road, Scaford, Sussex.

A SSISTANT (21) desires situation in Blackpool; good Counter, Photographic, and Dispensing experience. Tantalus, 58 Chesterfield Road, Blackpool.

A SSISTANT; unqualified; 34; single; 15 years' experience; excellent references; recently demobilised. Salary and particulars to Lamb, H. J., Norman Villas, Normanton, Yorks.

A SSISTANT (50); unqualified; good-class Retail; Dispensing; experienced; quick and accurate; undeniable references; disengaged for demobilised man recently taken back. Please state salary, Stevens, 15 Fletching Road, Clapton, E. 5.

A SSISTANT; unqualified; 40; married; Dispensing, Counter, Stock, etc.; good references; disengaged. H. E. Fisher, 133 Brockley Rise, S.E. 25.

A SSISTANT (25); recently demobilised; 6 years' experience. Apply, stating salary, etc., to Corbett, Bwlch Gwyn, near Wrexham.

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m SSISTANT};$ unqualified; 47; experienced. G. D. North, 4 Goldsmith Square, Nottingham.

A SSISTANT (23), unqualified, desires engagement; experience Counter, Dispensing, N.H.I.; knowledge Photography. Apply "Assistant," 37 High Street, Wigton, Cumberland.

A SSISTANT; unqualified; disengaged; good reference; 10 years' experience. R. Fairburn, Killamarsh, Sheffield.

DISENGAGED; Locum or permanency; qualified; 43; large and varied experience Retail and Dispensing. "Chemist," 11 Laurie Avenue, Burford Road, Nottingham.

D'ISPENSER, lady, Hall, three years' experience, desires post; Kent preferred. Apply 76/12, Office of this Paper.

DISPENSER (Hall); disengaged shortly; age 52; married; 35 years' varied experience in Wholesale, Retail, Hospital Dispensing; 15 years with present employer in Retail Dispensing, N.H.I., and Counter work; some knowledge of Photo and Bookkeeping; excellent references. Write "Beta," 42 Lascelles Road, Dover.

DISPENSING, Counter, Bookkeeping.—Chemist highly recommends lady (27); at liberty when suited. Nicholls, Parr's Farm, Winchcombe, Glos.

RASTER and Holiday cases and Holiday cases and Holiday cases and Holiday cases and the H

EVENINGS from 6, Saturdays 2; thoroughly capable, experienced Dispensing or Counter; could put in full time from march 31 to April 15 (inter-term vacation). Student, 97 Bedford Road, Clapham.

EXPERIENCELY West-End Assistant, 33, unregistered, requires berth; salary £5; or part-time, Monday and Tuesday all day, salary £2. "Toluol," 28 Melrose Avenue, Cricklewood.

CENTLEMAN, residing in Exeter, desires berth as Assistant Manager, Locum, Part-time, or Relief; age 45; good all-round experience, both Wholesale and Retail, also Branch Management; unqualified; would book forward for summer; S.W. of England, Devon, or Cornwall preferred. State terms to 78/7, Office of this Paper.

HALL qualification; elderly, active, abstainer; life experience; South or West country; reasonable salary; abstainer; disengaged. "Statim," 100 Great Norbury Street, Hyde.

JUNIOR Assistant (19), requires position in good-class Pharmacy; disengaged; North preferred. Laycock, Knocking Tofts, Brough, Penrith.

JUNIOR (22½), unqualified, desires situation in Dispensing business, object of gaining further experience. Smith, 23 Roman Road, Colchester.

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m L}^{
m ADY}$ Assistant and Dispenser; first-class West-End experience and testimonials. Apply 74/37, Office of this Paper.

L ADY Assistant; Hall certificate; four years' experience; temporary or permanent; London or Dublin. Barber, 101 Melroso Avenue, N.W. 2.

L'ADY Dispenser, (Hall), experienced, desires post as Locum immediately; preferably to Doctor. Nicholson, 10 Talbot Road, Highgate.

L'ADY Dispenser requires situation with Doctor; thoroughly experienced; age 27; 11 years' as chauffeuse mechanic; seven years as Dispenser. Bookkeeper, and Surgical Assistant; Hall qualification; excellent references. Write 6 Dryden Mansions, Queen's Club Gardens, Baron's Court.

LADY Dispenser desires post; thoroughly experienced and rethis Paper. 78/32, Office of

ADY Dispenser (Hall), continuous experience since 1911, desires post in London or Essex. Apply 77/28, Office of this Paper.

ADY, qualified, 23, as Junior in good Dispensing business; London or South Coast. "K. O.," e/o Booth, Chemist, Glastonbury.

OCUM; experienced; take charge; excellent references; disengaged. "Chemicus," 2 Christian Road, Preston.

L OCUM; qualified; 29; disengaged March 22nd. Apply 76/37, Office of this Paper.

OCUM; disengaged; booking forward; elderly; thoroughly experienced; very active, qualified, and a good Salesman. Apply "Beta" (79/14), Office of this Paper.

OCUM; thoroughly experienced; Major; exceptional references; abstainer. Dear, 111 Royal Parade, Eastbourne.

LOCUM, disengaged April. After September; qualified; terms moderate; 53; country; first-class references and experience; Photography, Optics. Dewey, Fowler's, Chemist, Chelston, Torquay.

OCUM; London area; experienced Retail, Optics, and Photo; abstainer. "Qualified," 79 Babington Road, Streatham, S.W. 16.

LOCUM (51), experienced, disengaged till Whitsuntide; qualified; moderate inclusive terms. "Midlander" (78/24), Office of this Paper.

LOCUMS; Birmingham District Hospital; Retail, Wholesale experience. "Pharmaoist," 189 Aston Road, Birmingham.

LOCUM; qualified; disengaged; first-class experience and references. "Pharmacist," 53 Fairlawn Street, Manchester.

L OCUM (38), disengaged; first-class experience; £5 58. out-doors, £4 48. indoors, plus fare. "Metol," 37 Spurgeon Road, Boscombe.

MANAGER; qualified; disengaged; married; Locum or permanency; long experience; town or country. D. O. C., 26 Fox Hill, S.E. 19.

MANAGER.—Pharmacist (41); married; tall; active; all-round experience, South Coast and provincial; 14 years Manager; disengaged shortly; highly recommended. Salary offers to "Chemist," c/o Povey, Rose Cottage, Upper Hale, Farnham.

MANAGER or Senior; qualified; 33; over 4 years in West-End Dispensing; abstainer. 78/1, Office of this Paper.

MANAGER or Assistant; qualified; 32; single; 10 years' West-S.W. End experience. "J. R.," 49 Elizabeth Street, Belgravia,

MANAGER; qualified; permanency; married; last four years with the Colours; living accommodation if possible; disengaged after Easter. W. B., 6 Waveney Road, Diss, Norfolk.

PART-TIME, Locum, or permanent; any periods; competent, experienced, reliable; energetic worker; disengaged. "Chemicus," 136 Rosemary Road, Peckham, S.E.

PHARMACIST, being at liberty four days, Friday, 2nd, to Monday, 5th April, would like to take charge small Country business, not far from London. P.C.B. 49/31, Office of this Paper.

PERMANENCY; thoroughly experienced Counter and Dispensing; good-class business only; Senior or Manager (five years last position as Manager); Locum entertained. "De Suite" (78/9), Office of this Paper.

QUALIFIED Chemist seeks job as Manager; age 48; married; highest references; best experience; Dental and Optical certificates. Apply 76/35, Office of this Paper.

QUALIFIED Manager (33); good experience; well recommended; excellent references; disengaged; temporary or permanent. Brown, Maidenwells, Pembroke.

QUALIFIED Manager or Assistant; experienced Dispenser, Prescriber, Extractor; middle-aged; married, no children; moderate salary, especially if rooms over Pharmacy; satisfactory references. 79/5, Office of this Paper.

QUALIFIED; good experience; home or abroad. Wicks, 30 Wymering Mansions, Elgin Avenue, W. 9.

QUALIFIED, disengaged, requires post as Manager or Assistant, for six weeks or less; London or suburbs; best credentials. Apply "Locum," 27 Manor Road, Norwood Junction, S.E. 25.

QUALIFIED, disengaged, as Locum, Manager, or Branch; good reference; well experienced. State terms, Avory (79/15), Office of this Paper.

SECRETARY.—Young lady requires post; some Pharmaceutical and Chemical knowledge, Typing, etc. "R. X." (74/18), Office of this Paper.

SOUTH WALES PHARMACISTS.—Ensure care-free holiday; Richards now booking June, July, August; exceptional connection. 37 Clapham Road, Clapham.

SOUTHPORT OR NEAR.—Permanent or Locum; 20 years' experience; capable but unqualified; good references. Dobson, 100 Windsor Road, Southport.

CTUDENT-ASSOCIATE; reliable; smart appearance; 21; City experience; good Salesman, Dispensing, Window-dressing, little Photography; City preferred. Apply P.C.B. 49/23, Office of this Paper.

STUDENT-ASSOCIATE (23) desires situation; experienced in good-class Dispensing business; Locum or permanent. Evans, 158 City Road, Cardiff.

TEMPORARILY Locum, or Manager permanently; qualified; experienced; disengaged. "R.," 173 Fleet Road, Fleet, Hants.

UNQUALIFIED; 39; experienced Dispenser, Counterman, and Photography; disengaged. "G." (70/19), Office of this

UNQUALIFIED (24), disengaged, requires situation until next October; not afraid of work, and can take charge; 5½ years' all-round experience; London or the North preferred, but not essential. "Reliable," 40 Carnarvon Road, Boscombe, Hants.

WANTED, position as Senior, or branch; over 20 years' allround experience; single; 5 ft. 10 in.; excellent references. "Spes," 168 Heathfield Road, Handsworth, Birmingham.

Young lady desires part-time post with Doctor or Chemist; experience. Letters, "Miss R.," Epps, Chemists, 60 Jermyn Street, S.W.

YOUNG lady Dispenser, aged 19, with three years' practical experience, requires situation; City, West-End, or North London preferred; quick and accurate, and Hall qualification; interview. "M. H.," Norfolk House, Danvers Road, Hornsey, N.8.

YOUNG lady desires post (at once) with Chemist; 3 years' General, Counter, and Photographic experience; first-class reference; London, W., preferred. N. C., 292 Monega Road, Manor Park.

WHOLESALE.

A S Representative; month on probation to commence. If you have vacancy for energy and vigour, interview McIntyre, 14 Gilbert Road, Bromley, Kent.

BIRMINGHAM.—Energetic (ex-service man), good knowledge Drug trade, desires post in Wholesale house (any capacity), with prospects. Address 77/37, Office of this Paper.

COMPETENT Tablet-maker, with knowledge of Coating, desires post as Charge Hand; good organiser, control staff; thorough knowledge machinery. Apply 76/29, Office of this Paper.

GENTLEMAN (30), sound all-round Retail experience, desires post as Representative; South Wales and West of England, or Midlands; keen and active; first-class references. (77/1), Office of this Paper.

CENTLEMAN, 38, excellent personal connection, expert Salesman, desiring change, asks £300 p.a. expenses and commission; first-class houses only need apply, 68/24, Office of this Paper.

CHENTLEMAN, well connected, smart appearance and address, 20 years' experience in Retail, well-known to Chemists in North Lancashire, wishes to represent a good Wholesale house; Lancashire preferred. Apply 76/4, Office of this Paper.

MAJOR (35), five years' first-class Retail and ten years' Wholesale Laboratory experience, seeks situation as Laboratory Manager; London preferred. P.C.B. 50/2, Office of this Paper.

MANAGER (38), with Sales and Advertising experience, desires appointment with progressive firm manufacturing Proprietaries; sound organiser, with excellent record in sales promotion. Full particulars from H. H. T. (76/30), Office of this Paper.

PHARMACIST, married (31), seeks position in Chemical Works; knowledge of Applied Chemistry and Testing. P.C.B. 50/3, Office of this Paper.

REPRESENTATIVE (28), sound connection amongst Stores and Chemists in London and South Coast, desires first-class Agency. Apply 76/13, Office of this Paper.

REPRESENTATIVE, good connection all Scotland and Ireland, open to represent good Drug Sundry house, or Perfumery, Soaps, Brushes; good agency propositions suit Chemists and Druggists, entertained; highest references. P.C.B. 49/33, Office of this Paper.

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m EPRESENTATIVE}$, sound connection London and Suburbs, seeks good House; salary and commission basis. "Cortex" (76/36), Office of this Paper.

REPRESENTATIVE, with good connection amongst Chemists in Yorkshire, is open to represent first-class Drug house or well-advertised. Proprietaries. Apply 73/1, Office of this Paper.

UNQUALIFIED Assistant requires situation; five years' experience in Retail Drug Stores; would like change in Wholesale house in manufacturing department; age 19; state hours and salary. Apply 73/24, Office of this Paper.

WANTED, by London Representative with a first-class connection, some smart, attractive Lines, to handle on commission and expenses. 77/7, Office of this Paper.

WET-COUNTER Assistant; experienced; capable of taking charge of female labour; disengaged. W. E. Carter, 33 Chancellors Road, Hammersmith, W. 6.

MISCELLANEOUS,

10s. for 60 words ; 1s. for every additional, 10 words or less,

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3. Established 1898. Telephone: 81 Lee Green.—Shares for Sale (free of commission, subject): 75 Allenbury "O" Prefs., 178. 3d., c.d.; 100 Bais Brothers 10% Prefs, 128. 9d.; 300 Farrow's Bank, 108. paid, 9s.; 200 Genatosan £1 × 8% Prefs., 20s. 3d.; 200 14% Pre. Preference 2s. shares, 4s. 3d.; 200 Johnson & Son (Mfg. Chemist) £1 × 8% Prefs., 20s. 9d., with option to buy one £1 Ordinary et 15s. for every three Prefs. (15% is expected to be paid on ordinary in June); 30 Wright Layman Prefs., 18s. 9d., cd.; 200 Parkes Drug Prefs., 15s.—Shares Wanted (subject): Allenbury Prefs.; Camwal Ord. and Prefs.; Hordinary Prefs.; 100 Lewis & Burrows Ord., 13s. 9d.—Lots divided. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

TUNE-QUALITY Powdered Curd Soap, 1½ ton, in 2-cwt. barrels, at 1558. per cwt., barrels free, ex works, f.o.r. London. Apply 79/16, Office of this Paper.

FOR Sale, 150 gross, or part, 4-oz. Vaseline or 8-oz. Honey screw-top Glass Jars (pale green); 10 2-owt. casks Asian Honey; 5 cwt. Full Cream Dried Milk. W.M. Food Co., Ltd., Cross Belgrave Street, Leeds.

POR Sale, Eureka Tablet Compressing Machine, new, fitted for both hand and power; makes \(\frac{1}{2} \) to 5-grain Tablets, 120 per minute. J. Bury, Ltd., Manufacturing Homocopathic Chemists, 5 St. Ann Street, Manchester.

FOR Sale, delivery ex stock, about 4,000 gross Plain and Decorated Ointment and Tooth Powder Tins; sizes \(\frac{1}{2} \) oz. to \(\frac{3}{2} \) oz., in Boric Ointment, Zino Ointment, Cold Cream, Camphor Ice, Sulphur Ointment, Marshmallow Ointment, etc.; also \(\frac{250}{2} \) gross Decorated Health Salt lever-lid Tins; large or small quantities supplied; state sizes required and quantities; samples on request. Apply 66/9, Office of this Paper.

HOP FITTINGS.—Following bargains for Sale: 8' 0" Piano Wall Case, condition as new; excellent Cashier's Desk, as new; Mahogany Wall Case, 8' 0", 7' 0", 6' 0", 5' 0", and 4' 0" long by 9' 0" high; bent plate-glass Counter Showcases, 4' 0", 5' 0", 6' 0", and 8' 0" long; several Dispensing Soreens; 10 Silent Salesman Cases, various sizes, etc. Write wants, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

SILICATE Soda, sp. gr. 1.38, 2 oasks, weight gross 11 cwt.; what offers? Butler, Carts Lane, Leicester.

THREE Mixers for Sale, suitable for heavy Plastic masses or Powders. For further particulars apply 76/21, Office of this Paper.

Brass Hot-Water Bottle (RUBBER) MANUFACTURERS.—
Brass Hot-Water Bottle Stoppers and Necks for Sale, 15
gross various sizes; also 5 gross Brass Nipples for Douche attachments, and 70 gross each Hot-Water Bottle Brass Eyelets and
Washers; can be seen in London. Apply P.C.B. 48/19, Office of
this Page.

IS. Oatmeal Cream Tubes, 1 gross, 6s. gross; L.L. and Chl. Lozenges (Warrick's), 56 lb., 2s. lb.; 6 oz. C.L.O. Emulsion (Harker's), 1 gross, 6s. doz.; Nupines, 56 lb., 2s. lb.; Ammon. Quin. Caps (255), 6 doz., 6s. doz.; Cod-liver Oil Caps (25s), 6 doz., 6s. doz.; 2 oz. Cheseborough Vaseline, 1 gross, 4s. doz.; Licorice, 56 lb., 2s. lb.; 1s. Frozen Brilliantine, 6 doz., 6s. doz.; Thermal Wood, 1s. packets, 6 doz., 6s. doz.; Dispensing Scales, £1; 2d. Ointment Tins, 20 gross, 4s. gross. Apply 69/27, Office of this Paper.

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Twooence per word: Minimum 2s.

FOR DISPOSAL DRUGS AND CHEMICALS.

WHAT offers for about 10 lb. fine Orange Shellac? 75/39, Office of this Paper.

SIX 6-oz. Mola Mosquito Essence; 42 Tabloids Hydrastine Compound and Cotarnine Hydrochlor.; two x 100 Sulphonal Tabloids; 16-oz. bottle Glyco-Thymoline; three 6-oz. Coal Tar Saponine; nine 3d. Hartman's Vaccination Pads; offers. Griffith, Shepton Mallet.

MISCELLANEOUS.

FLAT Showcase, 4 ft.; Maw's fig. 179. Starmer, Chemist, Bexhill.

WHAT Offers for 64 1-lb. Blighty Burgundy Mixture in good condition. Cooling, Edenbridge, Kent.

FORT-REVIVER, 2 dozen 5s. 6d.; 3 dozen 3s. 6d.; 3 dozen 18. 11d.; half retail price to clear. Apply 76/5, Office of this Paper.

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FROM STOCK.

K. MALMBERG,

110 Cannon Street, LONDON, E.C.4.

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BOTTLES DISPENSING

for immediate delivery Carriage Paid.
50 gross 4 oz. Plain G.F. Flats
12 gross 3 oz. D.Blue Flat Poisons
10 gross 16 oz. D.Blue Flat Poisons
30 gross 3 oz. D.Blue Hexagon Poisons
30 gross 5 oz. P.G. Panelled Tobins

H. S. SMITH,
16 CROSSWAY, STOKE NEWINGTON, LONDON, N. 16.

WANTED.

POT. Permang., Bismuths., Shellacs, Phenazon. Forryan, 75 Hinckley Road, Leicester. VOFERRIN; 3 bottles wanted; state price. Henderson, 74

Denton Road, Hornsey, London.

Denton Road, Hornsey, London.

WANTED, Powdered Ergot, Iodine, Iodide Potass., Camphor; state price. Apply 64/34, Office of this Paper.

WANTED, one gross or part clean Winchester Quarts; state price. "T.," 2 Flodden Road, Camberwell, S.E. 5.

UPRIGHT Glass Case, second-hand, about 2 ft. 6 in. by 2 ft. 6 in., state price. Banbury, 73 Newington Butts.

PHARMACEUTICAL Books wanted; cash offers on receipt.

Gower, Bookseller, 41 Voltaire Road, Clapham.

CHEMICAL Laboratory wanted immediately. Apply, with full particulars as to price, ctc., P.C.B. 48/7, Office of this Paper.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

OPTICAL Trial Case; complete; mounted lenses; in good condition. Particulars and price to Davies, Chemist, 390 High Street, Manor Park, E. 12.

BOTTLING Machine wanted (sccond-hand), about 10-gallon capacity; in good working order. Please state make, speed, and price to R 33/4, Office of this Paper.

WANTED, Patent Filling Machine for Bottled Sauce (thick);

also Mixing and Sifting Machine for Powders, and Pulp-Sieving Machine. W.M. Food Co., Ltd., 4 Cross Belgrave Street, Leeds.

WANTED, 6-oz. and 8-oz. Cheltenhams; any quantity; state quantity and price delivered promptly for cash; P. Soda Tartarata, any quantities from 14 lb. upwards for cash; Drying Oven, must be cheap; Sifter and Mixer, must be cheap. Ross Manufacturing Co., 92 Kirkdale, Upper Sydenham, S.E. 26.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO., LTD., New Street Square, E.C. 4; and Published by the Proprietors, Morgan Brothers (Publishers), Ltd., at 42 Cannon Street, in the City of London, March 20, 1920. [120]

A Surrey Chemist writing about

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Bulk to sell at 3d. per oz. (upwards). 28 lb. at 2/4 per lb. 56 lb. at 2/3 per lb. 1 cwt. at 2/2 per lb.

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Show Material with every order.
Special Rent - paying Window
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or Cwt. bulk. Exclusive displays
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We shall be glad to send you samples.

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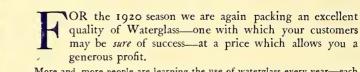
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